



# 成育科技股份有限公司

## AMODE TECH.LTD.



# 车载电感系列目录

## (2022年)



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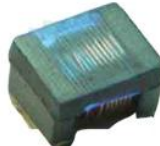

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# Catalog of Products

SMD Type	Model	P/N	Size (mm)	Inductance( $\mu$ H) /Impedance( $\Omega$ )	Page
Ferrite Chip Beads		AFCM1005□V	1005	30-1000 $\Omega$	<a href="#">6</a>
		AFCM1608□V	1608	10-2000 $\Omega$	<a href="#">7</a>
		AFCM2012□V	2012	7-2000 $\Omega$	<a href="#">8</a>
		AFCM3216KV	3216	26-600 $\Omega$	<a href="#">10</a>
		AHCB1005□V	1005	10-220 $\Omega$	<a href="#">11</a>
		AHCB1608□V	1608	26-1000 $\Omega$	<a href="#">12</a>
		AHCB2012KV	2012	22-1000 $\Omega$	<a href="#">13</a>
		AHCB3216KV	3216	30-600 $\Omega$	<a href="#">14</a>
		AHCB4516KV	4516	60-80 $\Omega$	<a href="#">15</a>
		AHCB4532□V	4532	80-1300 $\Omega$	<a href="#">16</a>
			AFCA3216□V4	3216	30-1000 $\Omega$
Common Mode Chokes		AWCM2012F2SV	2012	67-1000 $\Omega$	<a href="#">18</a>
		AWCM3216FV	3216	90-2200 $\Omega$	<a href="#">19</a>
		AWCM3225FV	3225	90-1000 $\Omega$	<a href="#">20</a>
		AWCM4532FV	4532	90-2800 $\Omega$	<a href="#">21</a>
		AHDMI2012FV	2012	67-90 $\Omega$	<a href="#">22</a>
		AHSF1210FV	1210	35-90 $\Omega$	<a href="#">23</a>
		AHSF2012FV	2012	50-90 $\Omega$	<a href="#">24</a>
		ADCM321620FV	3216	60 $\mu$ H	<a href="#">25</a>
		ADCM3532FV	3532	75 $\mu$ H	<a href="#">26</a>
		AACM3225FV	3225	11-100 $\mu$ H	<a href="#">27</a>
	AACM4532FNV	4532	11-100 $\mu$ H	<a href="#">28</a>	
	AACM4532FWV	4532	200 $\mu$ H	<a href="#">29</a>	
Balun		ABCM2012FV	2012	75 $\Omega$	<a href="#">30</a>

# Catalog of Products


Applications	Model	P/N	Size (mm)	Inductance (uH/nH)	Page
Inductors for General Use		AFCI1005V	1005	0.22-2.2uH	<a href="#">31</a>
		AFCI1608V	1608	0.047-10uH	<a href="#">32</a>
		AFCI2012V	2012	0.047-10uH	<a href="#">34</a>
		AFCI3216V	3216	0.047-10uH	<a href="#">36</a>
		ASWF1608LV	1608	0.047-10uH	<a href="#">38</a>
		ASWF1608CV	1608	0.047-10uH	<a href="#">40</a>
		ASWF2012CV	2012	0.47-33uH	<a href="#">42</a>
		ASWF2520CV	2520	1-33uH	<a href="#">44</a>
		ASWF3225CV	3225	1-680uH	<a href="#">45</a>
	Ceramic High Freq. Inductors		ASWI0603V	0603	0.002-0.39uH
ASWI0805UV			0805	0.0028-1.2uH	<a href="#">49</a>
ASWI1008UV			1008	0.01-10uH	<a href="#">51</a>

# Catalog of Products

Description	Model	P/N	Size (mm)	Inductance (uH)	Page
Power Inductors		ACDNR4018LPBV	4018	0.47-220uH	<a href="#">53</a>
		ACDNR4030LPNV	4030	0.68-47uH	<a href="#">55</a>
		ACDNR5020LPNV(主推)	5020	1-47uH	<a href="#">56</a>
		ACDNR5040LPNV	5040	0.47-220uH	<a href="#">57</a>
		ACDNR6020LPNV(主推)	6020	0.8-33uH	<a href="#">59</a>
		ACDNR6028LPNV	6028	1-470uH	<a href="#">60</a>
		ACDNR6045LPNV	6045	0.36-470uH	<a href="#">61</a>
		ACDNR8040LPNV(主推)	8040	0.5-470uH	<a href="#">63</a>
	 	ACDMR252010WTV	252010	4.7uH	<a href="#">65</a>
		ACDMR252012WTV	252012	4.7uH	<a href="#">66</a>
		ACDMR0312TV	0312	0.47-10uH	<a href="#">67</a>
		ACDMR0315THV	0315	0.22-10uH	<a href="#">68</a>
		ACDMR0320THV	0320	0.1-10uH	<a href="#">69</a>
		ACDMR0412THPV	0412	0.1-22uH	<a href="#">70</a>
		ACDMR0415THPV	0415	0.22-10uH	<a href="#">72</a>
		ACDMR0420THPV	0420	0.1-22uH	<a href="#">73</a>
		ACDMR0420TAV	0420	0.1-1.8uH	<a href="#">74</a>



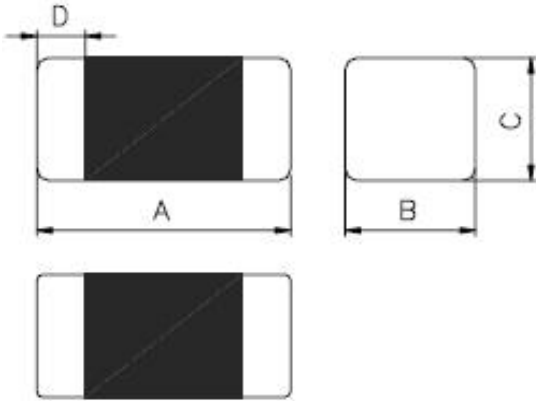
# Catalog of Products

Description	Type	P/N	Size (mm)	Inductance (uH)	Page
Power Inductors		ACDMR1040TAHV	1040	1-68uH	<a href="#">113</a>
		ACDMR1040THV	1040	0.15-82uH	<a href="#">114</a>
		ACDMR1040TSV	1040	0.15-47uH	<a href="#">116</a>
		ACDMR1050TSV	1050	0.36-100uH	<a href="#">118</a>
		ACDMR1050THV	1050	0.22-100uH	<a href="#">119</a>
		ACDMR1335THPV	1335	0.33-33uH	<a href="#">120</a>
		ACDMR1350TASV	1350	0.47-33uH	<a href="#">121</a>
		ACDMR1350THPV	1350	0.2-82uH	<a href="#">122</a>
		ACDMR1360TASV	1360	0.36-150uH	<a href="#">124</a>
		ACDMR1360THPV	1360	0.47-220uH	<a href="#">125</a>
		ACDMR1365THPV	1365	0.15-100uH	<a href="#">127</a>
		ACDMR1365TASV	1365	0.1-100uH	<a href="#">129</a>
		ACDMR1610TAV	1610	4.7-8.2uH	<a href="#">131</a>
		ACDMR1770TASV	1770	0.47-100uH	<a href="#">132</a>
		ACDMR1770THPV	1770	0.45-100uH	<a href="#">133</a>
		ACDMR1770TCSV	1770	0.47-47uH	<a href="#">135</a>
		ACDMR2313TSPV	2313	1.5-100uH	<a href="#">136</a>



# AFCM1005□V SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.00</b>	<b>± 0.20</b>
<b>B</b>	<b>0.50</b>	<b>± 0.20</b>
<b>C</b>	<b>0.50</b>	<b>± 0.20</b>
<b>D</b>	<b>0.25</b>	<b>± 0.10</b>



## II.ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>
AFCM1005KV-300T03	30±25%	100	300	0.2
AFCM1005KV-600T03	60±25%	100	300	0.25
AFCM1005KV-121T01	120±25%	100	100	0.3
AFCM1005KV-151T01	150±25%	100	100	0.3
AFCM1005KV-221T01	220±25%	100	100	0.4
AFCM1005KV-301T01	300±25%	100	100	0.5
AFCM1005KV-471T01	470±25%	100	100	0.65
AFCM1005KV-601T00	600±25%	100	80	0.8
AFCM1005KV-102T00	1000±25%	100	50	1.2
AFCM1005MV-600T01	60±25%	100	100	0.3
AFCM1005MV-121T00	120±25%	100	80	0.45
AFCM1005MV-221T00	220±25%	100	50	0.6
AFCM1005MV-301T00	300±25%	100	50	0.75

1.Comply with AEC-Q200

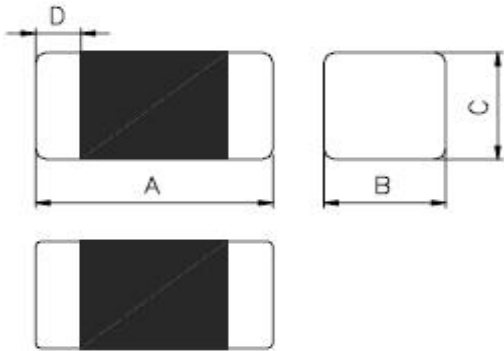
2.Operating Temp:-55~+150℃

3.Storage Temp:-55~+150℃(on board)



# AFCM1608□V SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.60</b>	<b>± 0.25</b>
<b>B</b>	<b>0.80</b>	<b>± 0.25</b>
<b>C</b>	<b>0.80</b>	<b>± 0.25</b>
<b>D</b>	<b>0.30</b>	<b>± 0.20</b>

## II.ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>
AFCM1608KV-300T07	30±25%	100	700	0.2
AFCM1608KV-600T07	60±25%	100	700	0.2
AFCM1608KV-121T06	120±25%	100	600	0.25
AFCM1608KV-151T06	150±25%	100	600	0.25
AFCM1608KV-221T05	220±25%	100	550	0.3
AFCM1608KV-301T05	300±25%	100	500	0.35
AFCM1608KV-471T03	470±25%	100	350	0.45
AFCM1608KV-601T03	600±25%	100	350	0.5
AFCM1608KV-102T02	1000±25%	100	200	0.7
AFCM1608HV-152T02	1500±25%	100	200	1
AFCM1608HV-202T01	2000±25%	100	150	1.2
AFCM1608CV-100T07	10±25%	100	700	0.2
AFCM1608CV-300T06	30±25%	100	600	0.25
AFCM1608CV-600T06	60±25%	100	600	0.3
AFCM1608CV-121T03	120±25%	100	300	0.4
AFCM1608CV-151T03	150±25%	100	300	0.4
AFCM1608CV-221T02	220±25%	100	250	0.6
AFCM1608CV-301T02	300±25%	100	200	0.8
AFCM1608CV-471T02	470±25%	100	200	0.85
AFCM1608CV-601T01	600±25%	100	150	1.2
AFCM1608CV-102T00	1000±25%	100	80	1.5

**1.Comply with AEC-Q200**

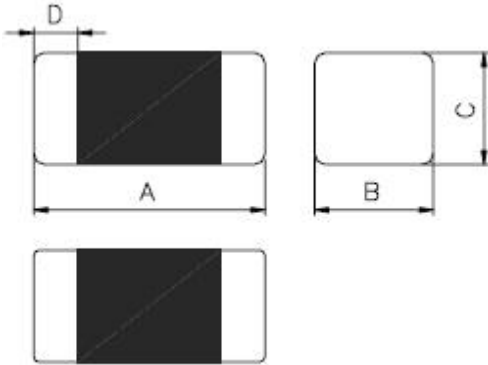
**2.Operating Temp:-55~+150℃**

**3.Storage Temp:-55~+150℃(on board)**



# AFCM2012□V SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>2.00</b>	<b>±0.30</b>
<b>B</b>	<b>1.25</b>	<b>±0.30</b>
<b>C</b>	<b>0.85</b>	<b>±0.30</b>
	<b>1.25</b>	<b>±0.30</b>
<b>D</b>	<b>0.50</b>	<b>±0.30</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max	Height (mm) Max
AFCM2012KV-110T09	11±25%	100	900	0.1	0.85±0.2
AFCM2012KV-170T06	17±25%	100	600	0.1	0.85±0.2
AFCM2012KV-260T06	26±25%	100	600	0.1	0.85±0.2
AFCM2012KV-300T06	30±25%	100	600	0.1	0.85±0.2
AFCM2012KV-400T06	40±25%	100	600	0.1	0.85±0.2
AFCM2012KV-600T09	60±25%	100	900	0.1	0.85±0.2
AFCM2012KV-121T08	120±25%	100	800	0.2	0.85±0.2
AFCM2012KV-151T08	150±25%	100	800	0.2	0.85±0.2
AFCM2012KV-221T07	220±25%	100	750	0.3	0.85±0.2
AFCM2012KV-301T07	300±25%	100	700	0.3	0.85±0.2
AFCM2012KV-471T07	470±25%	100	700	0.35	0.85±0.2
AFCM2012KV-601T05	600±25%	100	500	0.4	0.85±0.2
AFCM2012KV-102T04	1000±25%	100	400	0.45	0.85±0.2
AFCM2012HV-102T04	1000±25%	100	400	0.45	0.85±0.2



# AFCM2012□V SERIES

AFCM2012HV-152T03	1500±25%	100	350	0.5	0.85±0.2
AFCM2012HV-202T02	2000±25%	100	250	0.6	0.85±0.2
AFCM2012NV-070T06	7±25%	100	600	0.1	0.85±0.2
AFCM2012CV-300T07	30±25%	100	700	0.2	0.85±0.2
AFCM2012CV-600T07	60±25%	100	700	0.2	0.85±0.2
AFCM2012CV-121T06	120±25%	100	600	0.25	0.85±0.2
AFCM2012CV-151T06	150±25%	100	600	0.25	0.85±0.2
AFCM2012CV-221T04	220±25%	100	400	0.3	0.85±0.2
AFCM2012CV-301T04	300±25%	100	400	0.35	0.85±0.2
AFCM2012CV-471T04	470±25%	100	400	0.4	1.25±0.2
AFCM2012CV-601T03	600±25%	100	300	0.45	1.25±0.2
AFCM2012CV-102T02	1000±25%	100	200	0.5	1.25±0.2

**1. Comply with AEC-Q200**

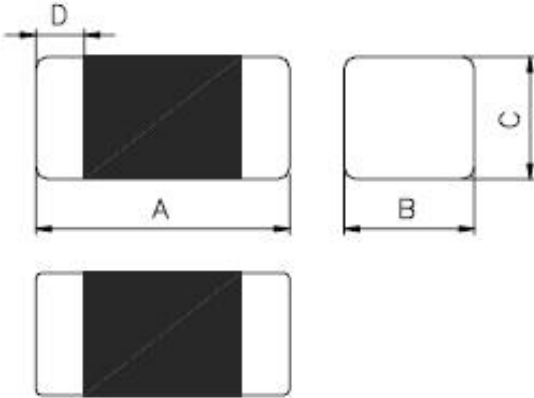
**2. Operating Temp: -55~+150°C**

**3. Storage Temp: -55~+150°C (on board)**



# AFCM3216KV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>3.20</b>	<b>± 0.3</b>
<b>B</b>	<b>1.60</b>	<b>± 0.3</b>
<b>C</b>	<b>1.10</b>	<b>± 0.3</b>
<b>D</b>	<b>0.50</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>
AFCM3216KV-260T05	26±25%	100	500	0.2
AFCM3216KV-310T05	31±25%	100	500	0.2
AFCM3216KV-420T05	42±25%	100	500	0.2
AFCM3216KV-500T05	50±25%	100	500	0.2
AFCM3216KV-700T05	70±25%	100	500	0.2
AFCM3216KV-900T05	90±25%	100	500	0.2
AFCM3216KV-121T09	120±25%	100	900	0.15
AFCM3216KV-151T09	150±25%	100	900	0.15
AFCM3216KV-201T06	200±25%	100	600	0.35
AFCM3216KV-221T07	220±25%	100	700	0.35
AFCM3216KV-301T07	300±25%	100	700	0.35
AFCM3216KV-471T04	470±25%	100	400	0.35
AFCM3216KV-601T04	600±25%	100	400	0.4

1. Comply with AEC-Q200

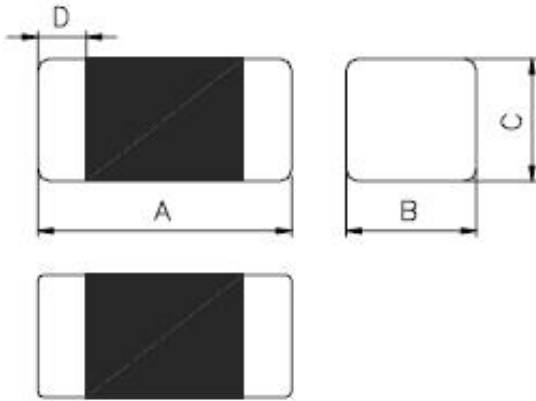
2. Operating Temp: -55~+150°C

3. Storage Temp: -55~+150°C (on board)



# AHCB1005□V SERIES

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB1005MV-100T25	10±25%	100	2500	0.05
AHCB1005KV-121T20	120±25%	100	2000	0.095
AHCB1005KV-221T15	220±25%	100	1500	0.15
AHCB1005PV-330T30	33±25%	100	3000	0.022
AHCB1005PV-600T25	60±25%	100	2500	0.032
AHCB1005PV-800T23	80±25%	100	2300	0.038

1.Comply with AEC-Q200

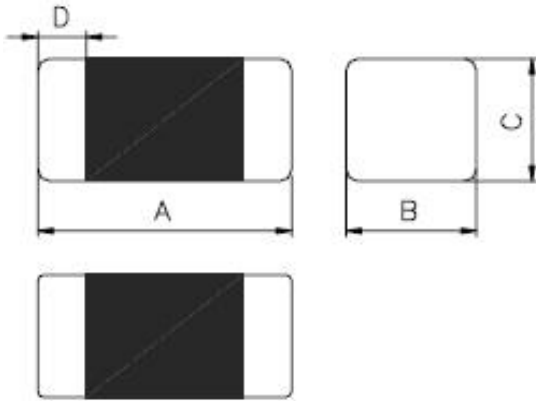
2.Operating Temp:-55~+150°C

3.Storage Temp:-55~+150°C(on board)



# AHCB1608□V SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.60</b>	<b>± 0.25</b>
<b>B</b>	<b>0.80</b>	<b>± 0.25</b>
<b>C</b>	<b>0.8±0.25/0.6±0.25</b>	
<b>D</b>	<b>0.30</b>	<b>± 0.2</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>	<b>Height (mm) Max</b>
AHCB1606ZV-260T60	26±25%	100	6000	0.01	0.75
AHCB1608KV-300T30	30±25%	100	3000	0.04	0.95
AHCB1608KV-300T50	30±25%	100	5000	0.02	0.95
AHCB1608KV-600T40	60±25%	100	4000	0.03	0.95
AHCB1608KV-800T30	80±25%	100	3000	0.04	0.95
AHCB1608KV-121T20	120±25%	100	2000	0.1	0.95
AHCB1608KV-121T30	120±25%	100	3000	0.04	0.95
AHCB1608KV-151T20	150±25%	100	2000	0.1	0.95
AHCB1608KV-221T20	220±25%	100	2000	0.1	0.95
AHCB1608KV-301T10	300±25%	100	1000	0.2	0.95
AHCB1608KV-301T20	300±25%	100	2000	0.1	0.95
AHCB1608KV-471T10	470±25%	100	1000	0.2	0.95
AHCB1608KV-601T10	600±25%	100	1000	0.2	0.95
AHCB1608KV-601T20	600±25%	100	2000	0.1	0.95
AHCB1608KV-102T10	1000±25%	100	1000	0.2	0.95

**1. Comply with AEC-Q200**

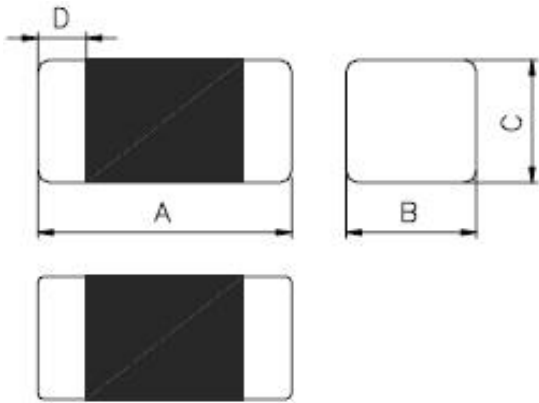
**2. Operating Temp: -55~+150°C**

**3. Storage Temp: -55~+150°C (on board)**



# AHCB2012KV SERIES

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	2.00	± 0.30
B	1.25	± 0.30
C	0.85	± 0.30
D	0.50	± 0.30

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AHCB2012KV-220T60	22±25%	100	6000	0.01
AHCB2012KV-300T30	30±25%	100	3000	0.04
AHCB2012KV-300T60	30±25%	100	6000	0.01
AHCB2012KV-800T30	80±25%	100	3000	0.04
AHCB2012KV-121T30	120±25%	100	3000	0.04
AHCB2012KV-151T20	150±25%	100	2000	0.1
AHCB2012KV-221T20	220±25%	100	2000	0.1
AHCB2012KV-221T30	220±25%	100	3000	0.04
AHCB2012KV-301T10	300±25%	100	1000	0.2
AHCB2012KV-301T30	300±25%	100	3000	0.04
AHCB2012KV-471T10	470±25%	100	1000	0.2
AHCB2012KV-601T10	600±25%	100	1000	0.2
AHCB2012KV-601T20	600±25%	100	2000	0.1
AHCB2012KV-102T10	1000±25%	100	1000	0.2

1.Comply with AEC-Q200

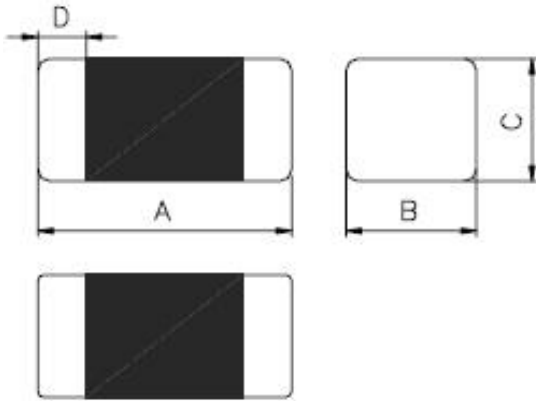
2.Operating Temp:-55~+150°C

3.Storage Temp:-55~+150°C(on board)



# AHCB3216KV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>3.20</b>	<b>± 0.3</b>
<b>B</b>	<b>1.60</b>	<b>± 0.3</b>
<b>C</b>	<b>1.10</b>	<b>± 0.3</b>
<b>D</b>	<b>0.50</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>
AHCB3216KV-300T30	30±25%	100	3000	0.04
AHCB3216KV-500T30	50±25%	100	3000	0.04
AHCB3216KV-800T30	80±25%	100	3000	0.04
AHCB3216KV-121T20	120±25%	100	2000	0.1
AHCB3216KV-151T20	150±25%	100	2000	0.1
AHCB3216KV-301T10	300±25%	100	1000	0.2
AHCB3216KV-471T10	470±25%	100	1000	0.2
AHCB3216KV-501T30	500±25%	100	3000	0.04
AHCB3216KV-601T20	600±25%	100	2000	0.1

1. Comply with AEC-Q200

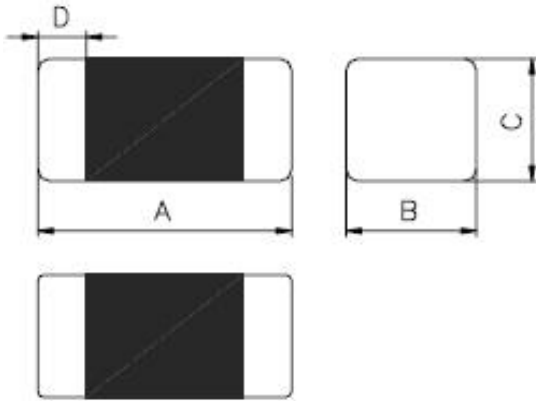
2. Operating Temp: -55~+150°C

3. Storage Temp: -55~+150°C (on board)



# AHCB4516KV SERIES

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	4.50	± 0.3
B	1.60	± 0.3
C	1.60	± 0.3
D	0.50	± 0.3



## II.ELECTRICAL CHARACTERISTICS

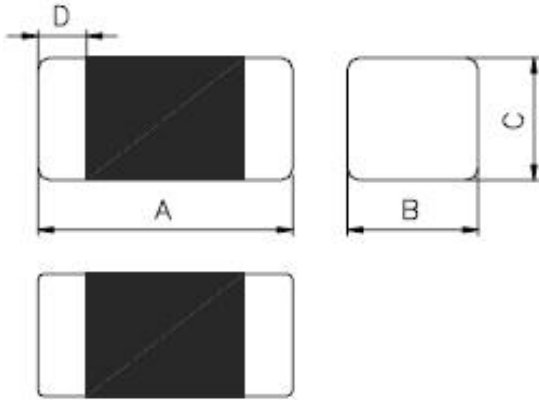
Parts Number	Impedance ( $\Omega$ )	Test Freq. (MHz)	Rated Current (mA)Max	DCR ( $\Omega$ ) Max
AHCB4516KV-600T60	60±25%	100	6000	0.01
AHCB4516KV-800T30	80±25%	100	3000	0.04

- 1.Comply with AEC-Q200
- 2.Operating Temp:-55~+150°C
- 3.Storage Temp:-55~+150°C(on board)



# AHCB4532□V SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.50</b>	<b>± 0.3</b>
<b>B</b>	<b>3.20</b>	<b>± 0.3</b>
<b>C</b>	<b>1.50</b>	<b>± 0.3</b>
<b>D</b>	<b>0.50</b>	<b>± 0.3</b>



## II.ELECTRICAL CHARACTERISTICS

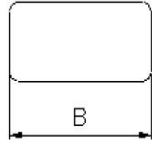
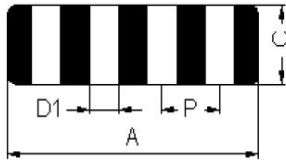
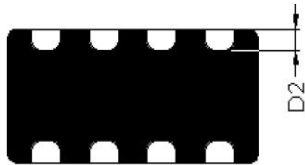
<b>Parts Number</b>	<b>Impedance (Ω)</b>	<b>Test Freq. (MHz)</b>	<b>Rated Current (mA)Max</b>	<b>DCR (Ω) Max</b>
AHCB4532KV-800T60	80±25%	100	6000	0.01
AHCB4532KV-121T50	120±25%	100	5000	0.02
AHCB4532KV-131T30	130±25%	100	3000	0.04
AHCB4532KV-151T50	150±25%	100	5000	0.02
AHCB4532MV-681T40	680±25%	100	4000	0.03
AHCB4532MV-132T30	1300±25%	100	3000	0.06

- 1.Comply with AEC-Q200
- 2.Operating Temp:-55~+150°C
- 3.Storage Temp:-55~+150°C(on board)



# AFCA3216□V4 SERIES

## I. MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	0.90	± 0.3
D1	0.40	± 0.15
D2	0.30	± 0.1
P	0.80	± 0.1

## II. ELECTRICAL CHARACTERISTICS

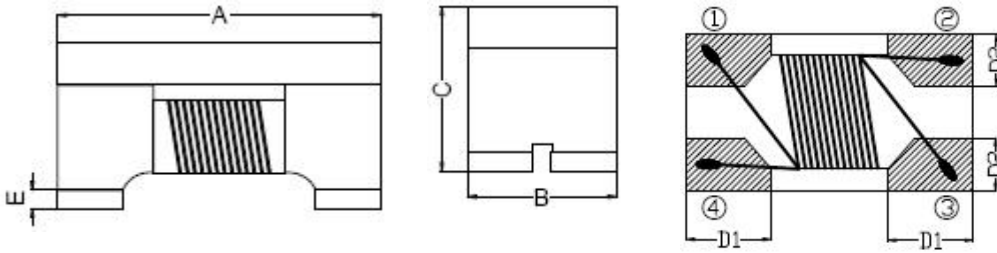
Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DCR (Ω) Max
AFCA3216KV4-300T05	30±25%	100	500	0.2
AFCA3216KV4-600T04	60±25%	100	400	0.25
AFCA3216KV4-121T03	120±25%	100	350	0.3
AFCA3216KV4-301T02	300±25%	100	250	0.4
AFCA3216KV4-601T02	600±25%	100	200	0.5
AFCA3216KV4-102T01	1000±25%	100	150	0.75

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

3. Storage Temp: -55~+150°C (on board)

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>2.00</b>	<b>± 0.3</b>
<b>B</b>	<b>1.20</b>	<b>± 0.3</b>
<b>C</b>	<b>1.40</b>	<b>Max</b>
<b>D1</b>	<b>0.50</b>	<b>± 0.1</b>
<b>D2</b>	<b>0.51</b>	<b>± 0.1</b>
<b>E</b>	<b>0.15</b>	<b>± 0.1</b>



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM2012F2SV-670T04	67±25%	100	400	0.25	50	125	10M
AWCM2012F2SV-900T04	90±25%	100	400	0.3	50	125	10M
AWCM2012F2SV-121T04	120±25%	100	400	0.3	50	125	10M
AWCM2012F2SV-161T03	160±25%	100	350	0.35	50	125	10M
AWCM2012F2SV-181T03	180±25%	100	350	0.35	50	125	10M
AWCM2012F2SV-201T03	200±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-221T03	220±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-261T03	260±25%	100	300	0.4	50	125	10M
AWCM2012F2SV-361T03	360±25%	100	300	0.5	50	125	10M
AWCM2012F2SV-601T03	600±25%	100	300	0.88	50	125	10M
AWCM2012F2SV-102T01	1000±25%	100	100	1.3	50	125	10M

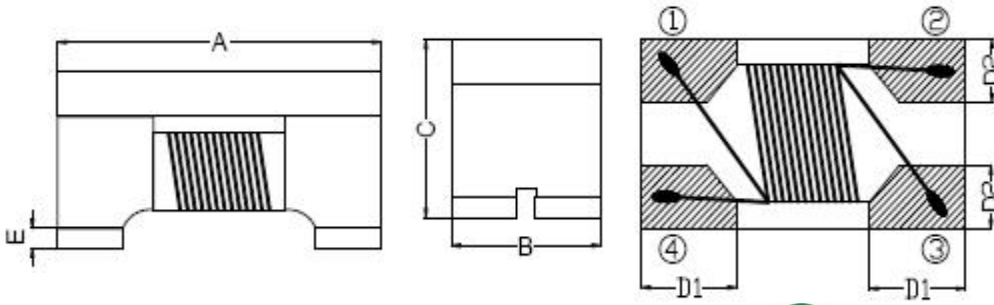
1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+125°C(on board)

# AWCM3216FV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.20	± 0.3
B	1.60	± 0.3
C	2.20	Max
D1	0.50	± 0.1
D2	0.50	± 0.1
E	0.15	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt (Vdc) Max	IR (Ω) Min
AWCM3216FV-900T04	90±25%	100	400	0.3	50	125	10M
AWCM3216FV-121T03	120±25%	100	350	0.3	50	125	10M
AWCM3216FV-161T03	160±25%	100	350	0.4	50	125	10M
AWCM3216FV-221T03	220±25%	100	300	0.45	50	125	10M
AWCM3216FV-261T03	260±25%	100	300	0.5	50	125	10M
AWCM3216FV-361T03	360±25%	100	300	0.6	50	125	10M
AWCM3216FV-601T03	600±25%	100	300	0.8	50	125	10M
AWCM3216FV-102T02	1000±25%	100	230	1	50	125	10M
AWCM3216FV-222T02	2200±25%	100	200	1.2	50	125	10M

1. Comply with AEC-Q200

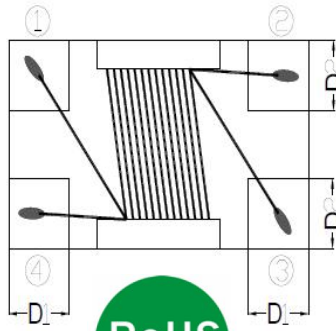
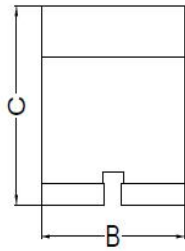
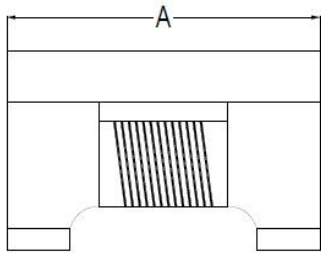
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)



# AWCM3225FV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>3.20</b>	<b>± 0.3</b>
<b>B</b>	<b>2.50</b>	<b>± 0.3</b>
<b>C</b>	<b>2.40</b>	<b>Max</b>
<b>D1</b>	<b>0.80</b>	<b>± 0.1</b>
<b>D2</b>	<b>0.90</b>	<b>± 0.1</b>

## II. ELECTRICAL CHARACTERISTICS

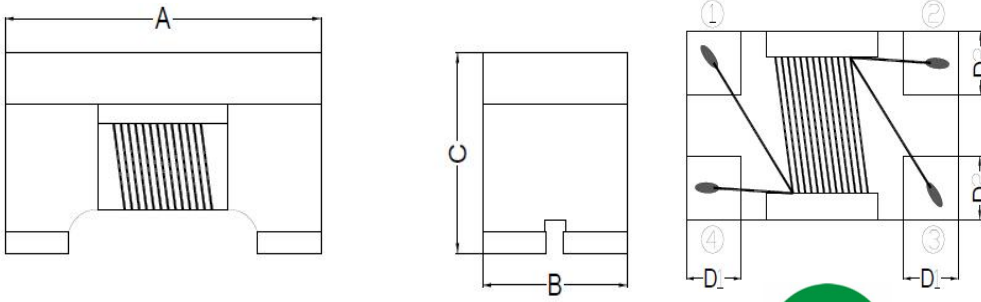
Parts Number	Common mode Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt. (Vdc) Max	IR (Ω) Min
AWCM3225FV-900T10	90±25%	100	1000	0.05	50	125	10M
AWCM3225FV-601T10	600±25%	100	1000	0.2	50	125	10M
AWCM3225FV-102T04	1000±25%	100	400	0.3	50	125	10M

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.50</b>	<b>± 0.3</b>
<b>B</b>	<b>3.20</b>	<b>± 0.3</b>
<b>C</b>	<b>3.00</b>	<b>Max</b>
<b>D1</b>	<b>0.90</b>	<b>± 0.1</b>
<b>D2</b>	<b>1.05</b>	<b>± 0.1</b>

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Impedance ( $\Omega$ )		Test Freq. (MHz)	Rated Current (mA) Max	DCR ( $\Omega$ ) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR ( $\Omega$ ) Min
	min	typ						
AWCM4532FV-900T40	68min	90typ	100	4000	0.05	50	125	10M
AWCM4532FV-231T35	173min	230typ	100	3500	0.05	50	125	10M
AWCM4532FV-421T32	300min	420typ	100	3200	0.055	50	125	10M
AWCM4532FV-601T25	450min	600typ	100	2500	0.06	50	125	10M
AWCM4532FV-901T23	650min	900typ	100	2300	0.07	50	125	10M
AWCM4532FV-141T20	1000min	1400typ	100	2000	0.1	50	125	10M
AWCM4532FV-282T09	2100min	2800typ	100	900	0.35	50	125	10M

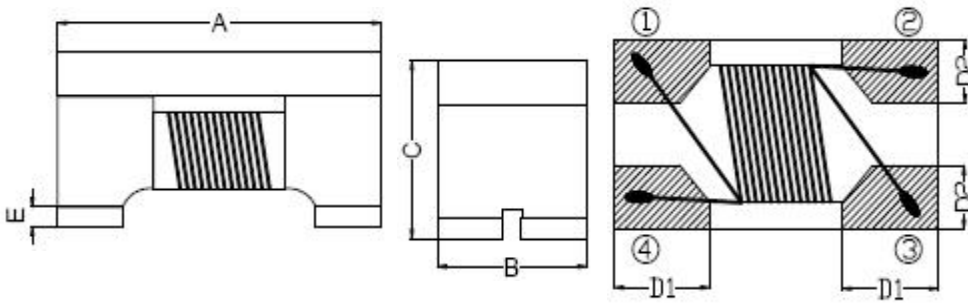
1. Comply with AEC-Q200

2. Operating Temp:-55~+125°C

3. Storage Temp:-55~+125°C(on board)

# AHDMI2012FV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	2.00	± 0.3
B	1.20	± 0.3
C	1.40	Max
D1	0.50	± 0.1
D2	0.51	± 0.1
E	0.15	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)		Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt(Vdc) Max	IR (Ω) Min
	50 min.	67 typ.						
AHDMI2012FV-670T04	50 min.	67 typ.	100	400	0.3	50	125	10M
AHDMI2012FV-900T04	65 min.	90 typ.	100	400	0.3	50	125	10M

1. Comply with AEC-Q200

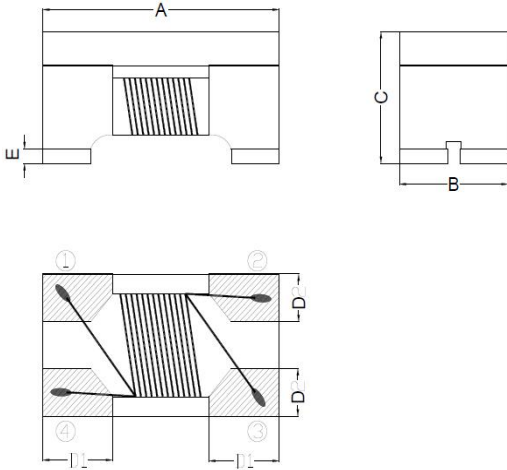
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)



# AHSF1210FV SERIES

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

<b>A</b>	<b>1.20</b>	<b>± 0.3</b>
<b>B</b>	<b>1.00</b>	<b>± 0.3</b>
<b>C</b>	<b>0.90</b>	<b>Max</b>
<b>D1</b>	<b>0.35</b>	<b>± 0.1</b>
<b>D2</b>	<b>0.35</b>	<b>± 0.1</b>
<b>E</b>	<b>0.03</b>	<b>Min</b>

## II.ELECTRICAL CHARACTERISTICS

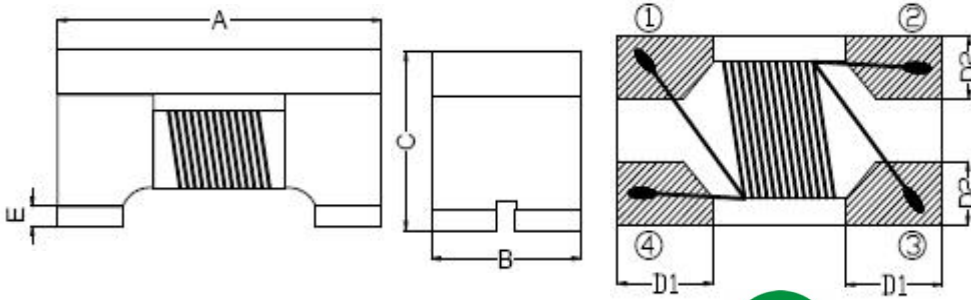
Parts Number	Common mode Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
AHSF1210FV-350T02	35±25%	100	200	0.3	50	125	10M
AHSF1210FV-500T02	50±25%	100	250	0.3	50	125	10M
AHSF1210FV-600T02	60±25%	100	250	0.3	50	125	10M
AHSF1210FV-900T02	90±25%	100	250	0.4	50	125	10M

1.Comply with AEC-Q200

2.Operating Temp:-40~+125°C

3.Storage Temp:-40~+125°C(on board)

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	2.00	± 0.3
B	1.20	± 0.3
C	1.40	Max
D1	0.50	± 0.1
D2	0.51	± 0.1
E	0.15	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	Rated volt (Vdc) Max	Withstand Volt(Vdc) Max	IR (Ω) Min
AHSF2012FV-500T04	50±25%	100	400	0.25	50	125	10M
AHSF2012FV-670T04	67±25%	100	400	0.3	50	125	10M
AHSF2012FV-900T04	90±25%	100	400	0.3	50	125	10M

1. Comply with AEC-Q200

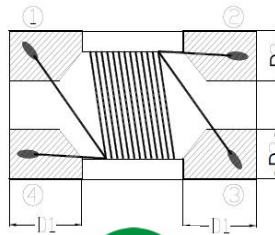
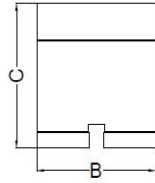
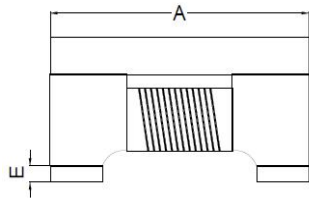
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)



# ADCM321620FV-600T02

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>3.40</b>	<b>± 0.3</b>
<b>B</b>	<b>1.60</b>	<b>± 0.3</b>
<b>C</b>	<b>2.20</b>	<b>Max</b>
<b>D1</b>	<b>0.64</b>	<b>± 0.1</b>
<b>D2</b>	<b>0.66</b>	<b>± 0.1</b>



## II. ELECTRICAL CHARACTERISTICS

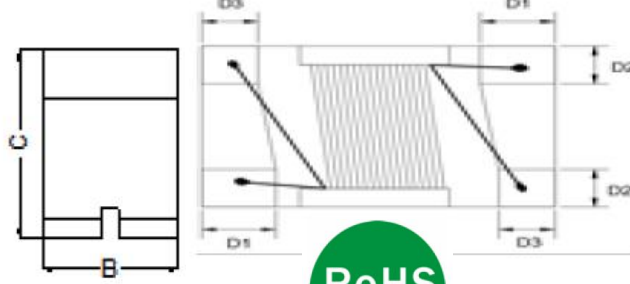
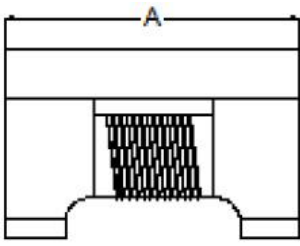
<b>Parts Number</b>	<b>Inductance (uH) [100KHz/0.1V] Min</b>	<b>Rated Current (mA) Max</b>	<b>DCR (Ω) Max</b>	<b>Rated Volt. (Vdc) Max</b>	<b>Withstand Volt.(Vdc) Max</b>	<b>IR (Ω) Min</b>
ADCM321620FV-600T02	60	200	1.7	50	125	10M

1. Comply with AEC-Q200
2. Operating Temp: -40~+85°C
3. Storage Temp: -40~+85°C (on board)



# ADCM3532FV-750T03

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.50	± 0.3
B	3.20	± 0.3
C	2.50	Max
D1	0.63	± 0.1
D2	1.18	± 0.1

## II.ELECTRICAL CHARACTERISTICS

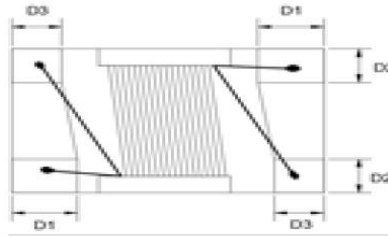
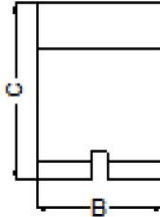
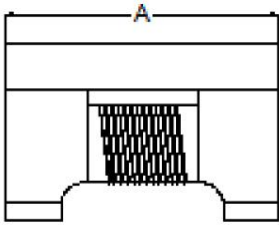
Parts Number	Inductance (uH) [100kHz/0.1V] Min	Rated Current (mA) Max	DCR (Ω) Max	Rated Volt. (Vdc) Max	Withstand Volt.(Vdc) Max	IR (Ω) Min
ADCM3532FV-750T03	75	300	0.8	50	125	10M

1. Comply with AEC-Q200
2. Operating Temp: -55~+125°C
3. Storage Temp: -55~+125°C (on board)



# AACM3225FV SERIES

## I. MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	3.20	±0.3
B	2.50	±0.3
C	2.50	Max
D1	0.70	± 0.1
D2	0.90	± 0.1
D3	0.60	± 0.1



## II. ELECTRICAL CHARACTERISTICS

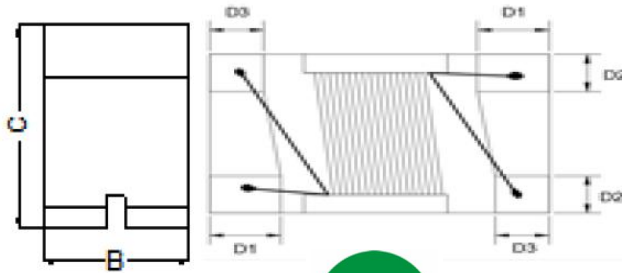
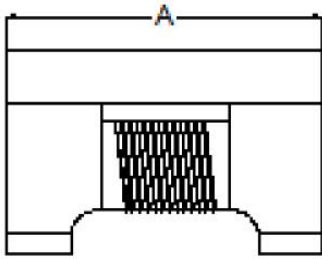
Parts Number	Inductance (uH)+50/-30% [100kHz/0.1V]	Rated Current (mA) Max	DCR (Ω) Max	Rated voltage (Vdc) Max	IR (mΩ) Min
AACM3225FV-110T03	11	300	0.4	80	10
AACM3225FV-220T02	22	250	0.5	80	10
AACM3225FV-510T02	51	200	0.7	80	10
AACM3225FV-101T01	100	150	1.5	80	10

1. Comply with AEC-Q200
2. Operating Temp: -55~+150°C
3. Storage Temp: -55~+150°C (on board)



# AACM4532FNV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.50</b>	<b>± 0.3</b>
<b>B</b>	<b>3.20</b>	<b>± 0.3</b>
<b>C</b>	<b>2.95</b>	<b>Max</b>
<b>D1</b>	<b>0.80</b>	<b>± 0.2</b>
<b>D2</b>	<b>0.85</b>	<b>± 0.2</b>
<b>D3</b>	<b>0.60</b>	<b>± 0.2</b>



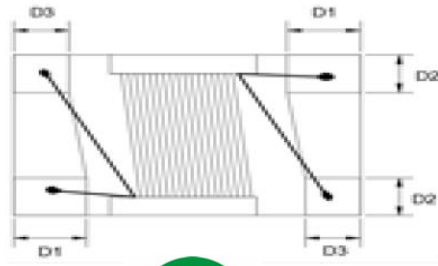
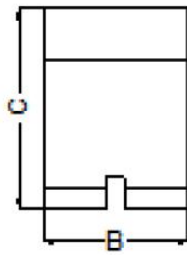
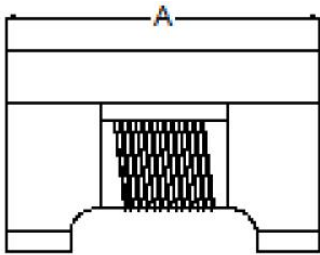
## II. ELECTRICAL CHARACTERISTICS

Parts Number	Common mode Impedance ( $\Omega$ ) [10MHz]		Common mode Inductance ( $\mu$ H)+50/-30% [100KHz]	Rated Current (mA) Max	DCR ( $\Omega$ ) Max	Rated Volt. (Vdc) Max	IR ( $\Omega$ ) Min
	300min	600typ					
ACM4532FNV-110T03	300min	600typ	11	360	0.6	50	10
ACM4532FNV-220T03	500min	1200typ	22	310	1	50	10
ACM4532FNV-510T02	1000min	2800typ	51	230	1	50	10
ACM4532FNV-101T02	2000min	5800typ	100	200	2	50	10

1. Comply with AEC-Q200
2. Operating Temp: -55~+150°C
3. Storage Temp: -55~+150°C (on board)

# AACM4532FWV-201T01

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	4.50	± 0.3
B	3.20	± 0.3
C	2.95	Max
D1	0.80	± 0.2
D2	0.85	± 0.2
D3	0.60	± 0.2

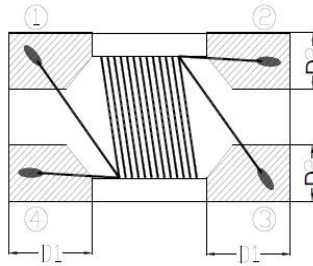
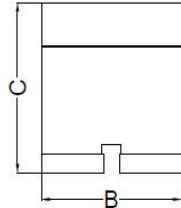
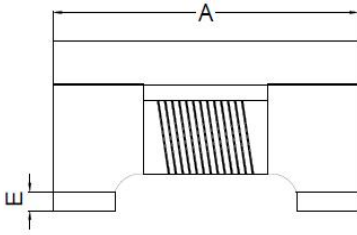


## II.ELECTRICAL CHARACTERISTICS

Parts Number	Common mode Impedance ( $\Omega$ ) [10MHz]		Common mode Inductance ( $\mu$ H)+50/-30% [100KHz]	Rated Current (mA) Max	DCR ( $\Omega$ ) Max	Rated Volt. (Vdc) Max	IR ( $\Omega$ ) Min
	-	-					
AACM4532FWV-201T01	-	-	200(+60/-20 $\mu$ H)	100	4.5	50	10

- 1.Comply with AEC-Q200
- 2.Operating Temp:-55~+125°C
- 3.Storage Temp:-55~+150°C(on board)

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>2.00</b>	<b>±0.30</b>
<b>B</b>	<b>1.20</b>	<b>±0.30</b>
<b>C</b>	<b>1.40</b>	<b>Max</b>
<b>D1</b>	<b>0.50</b>	<b>±0.10</b>
<b>D2</b>	<b>0.51</b>	<b>±0.10</b>
<b>E</b>	<b>0.15</b>	<b>±0.10</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>UB/B Impedance (Ω)</b>	<b>Test Freq. (GHz)</b>	<b>Rated Power (dBm) Max</b>	<b>DCR (Ω) Max</b>	<b>Rated Volt. (DCV) Max</b>	<b>Withstand Volt. (DCV) Max</b>	<b>IR (Ω) Min</b>	<b>Insertion Loss(dB) 1 to 1.5 GHz</b>	<b>CMRR (dB) 1 to 1.5 GHz</b>
ABCM2012 FV -75011-122	75/75	1-1.5	27	0.59	20	50	10M	1.4max.	20min.

1. Comply with AEC-Q200

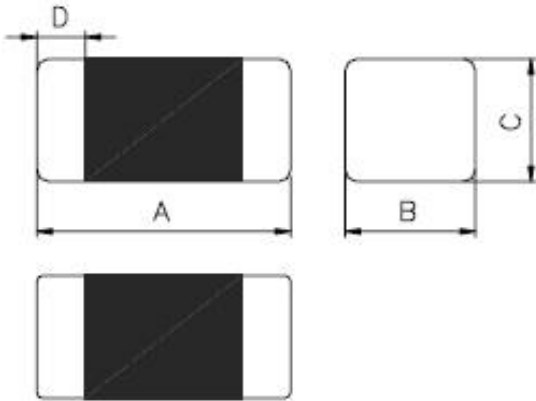
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)



# AFCI1005V SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.00</b>	<b>± 0.20</b>
<b>B</b>	<b>0.50</b>	<b>± 0.20</b>
<b>C</b>	<b>0.50</b>	<b>± 0.20</b>
<b>D</b>	<b>0.25</b>	<b>± 0.10</b>



## II.ELECTRICAL CHARACTERISTICS

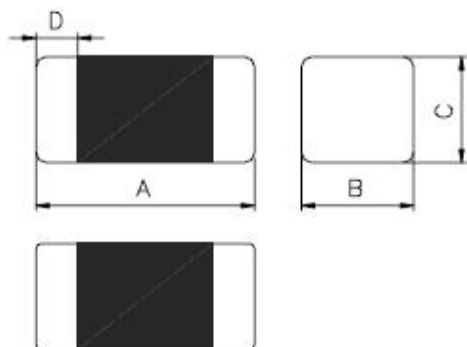
Parts Number	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
	Tolerance	Test Freq (Hz)	Min	Test Freq (MHz)			
AFCI1005V-R22K	0.22±10%	25M/60mV	10	25	25	1.2	110
AFCI1005V-1R0K	1.0±10%	10M/60mV	20	10	15	0.9	40
AFCI1005V-1R8K	1.8±10%	10M/60mV	20	10	15	1.45	30
AFCI1005V-2R2K	2.2±10%	10M/60mV	20	10	10	1.7	28

1. Comply with AEC-Q200
2. Operating Temp:-55~+125°C
3. Storage Temp:-55~+125°C(on board)



# AFCI1608V SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.60</b>	<b>± 0.25</b>
<b>B</b>	<b>0.80</b>	<b>± 0.25</b>
<b>C</b>	<b>0.80</b>	<b>± 0.25</b>
<b>D</b>	<b>0.30</b>	<b>± 0.2</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Test Freq. (MHz)</b>	<b>Q Min</b>	<b>Rated Current (mA) Max</b>	<b>DCR (Ω) Max</b>	<b>SRF (MHz) Min</b>
AFCI1608V-47N□T	0.047	50	10	50	0.3	260
AFCI1608V-68N□T	0.067	50	10	50	0.3	250
AFCI1608V-82N□T	0.082	50	10	50	0.3	245
AFCI1608V-R10□T	0.1	25	15	50	0.5	240
AFCI1608V-R12□T	0.12	25	15	50	0.5	205
AFCI1608V-R15□T	0.15	25	15	50	0.6	180
AFCI1608V-R18□T	0.18	25	15	50	0.6	165
AFCI1608V-R22□T	0.22	25	15	50	0.8	150
AFCI1608V-R27□T	0.27	25	15	50	0.8	136
AFCI1608V-R33□T	0.33	25	15	35	0.85	125
AFCI1608V-R39□T	0.39	25	15	35	1	110
AFCI1608V-R47□T	0.47	25	15	35	1.35	105
AFCI1608V-R56□T	0.56	25	15	35	1.55	95
AFCI1608V-R68□T	0.68	25	15	35	1.7	80
AFCI1608V-R82□T	0.82	25	15	35	2.1	75



## AFCI1608V SERIES

AFCI1608V-1R0□T	1	10	30	25	0.6	70
AFCI1608V-1R5□T	1.5	10	30	25	0.8	55
AFCI1608V-1R8□T	1.8	10	30	25	0.95	50
AFCI1608V-2R2□T	2.2	10	30	15	1.15	45
AFCI1608V-3R3□T	3.3	10	30	15	1.55	38
AFCI1608V-4R7□T	4.7	10	30	15	2.1	33
AFCI1608V-100□T	10	2	30	15	2.55	17

□:K=±10%, L=±15%, M=±20%

**1.Comply with AEC-Q200**

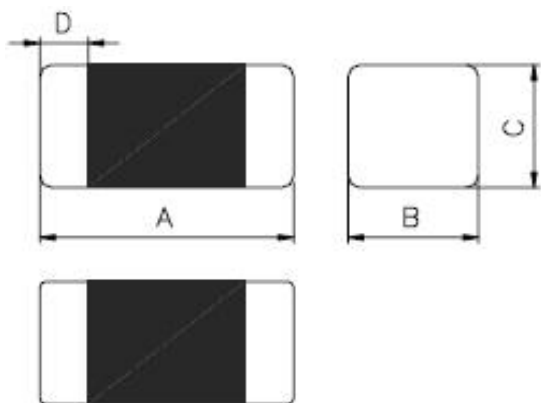
**2.Operating Temp:-40~+125°C**

**3.Storage Temp:-40~+125°C(on board)**



# AFCI2012V SERIES

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

A	2.00	±0.30
B	1.25	±0.30
C	0.85	±0.30
	1.25	±0.20
D	0.50	±0.30

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Thickness C Size(mm)	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
		Tolerance	Test Freq. (Hz)	Min	Test Freq. (MHz)			
AFCI2012V-47N□T	0.85±0.20	0.047	50M/60mV	15	50	300	0.2	320
AFCI2012V-68N□T	0.85±0.20	0.068	50M/60mV	15	50	300	0.2	280
AFCI2012V-82N□T	0.85±0.20	0.082	50M/60mV	15	50	300	0.2	255
AFCI2012V-R10□T	0.85±0.20	0.1	25M/60mV	20	25	250	0.3	235
AFCI2012V-R12□T	0.85±0.20	0.12	25M/60mV	20	25	250	0.3	220
AFCI2012V-R15□T	0.85±0.20	0.15	25M/60mV	20	25	250	0.4	200
AFCI2012V-R18□T	0.85±0.20	0.18	25M/60mV	20	25	250	0.4	185
AFCI2012V-R22□T	0.85±0.20	0.22	25M/60mV	20	25	250	0.5	170
AFCI2012V-R27□T	0.85±0.20	0.27	25M/60mV	20	25	250	0.5	150
AFCI2012V-R33□T	0.85±0.20	0.33	25M/60mV	20	25	250	0.55	145
AFCI2012V-R39□T	0.85±0.20	0.39	25M/60mV	25	25	200	0.65	135
AFCI2012V-R47□T	1.25±0.20	0.47	25M/60mV	25	25	200	0.65	125
AFCI2012V-R56□T	1.25±0.20	0.56	25M/60mV	25	25	150	0.75	115



# AFCI2012V SERIES

AFCI2012V-R68□T	1.25±0.20	0.68	25M/60mV	25	25	150	0.8	105
AFCI2012V-1R0□T	0.85±0.20	1	10M/60mV	45	10	50	0.4	75
AFCI2012V-1R5□T	0.85±0.20	1.5	10M/60mV	45	10	50	0.5	60
AFCI2012V-1R8□T	0.85±0.20	1.8	10M/60mV	45	10	50	0.6	55
AFCI2012V-2R2□T	0.85±0.20	2.2	10M/60mV	45	10	30	0.65	50
AFCI2012V-2R7□T	1.25±0.20	2.7	10M/60mV	45	10	30	0.75	45
AFCI2012V-3R3□T	1.25±0.20	3.3	10M/60mV	45	10	30	0.8	41
AFCI2012V-4R7□T	1.25±0.20	4.7	10M/60mV	45	10	30	1	35
AFCI2012V-100□T	1.25±0.20	10	2M/60mV	45	2	15	1.15	24

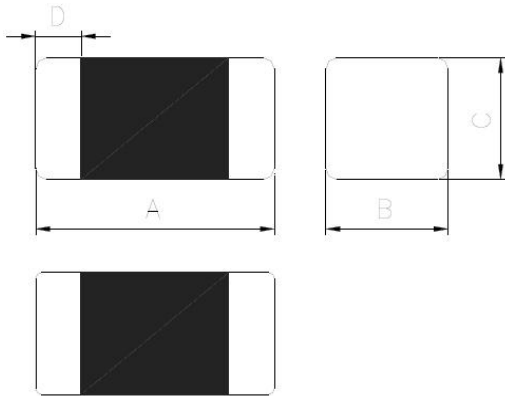
□: K=±10%, L=±15%, M=±20%

**1. Comply with AEC-Q200**

**2. Operating Temp: -40~+125°C**

**3. Storage Temp: -40~+125°C (on board)**

## I.MECHANICAL DIMENSION



### DIMENSIONS (mm)

<b>A</b>	<b>3.20</b>	<b>± 0.3</b>
<b>B</b>	<b>1.60</b>	<b>± 0.3</b>
<b>C</b>	<b>1.10</b>	<b>± 0.3</b>
<b>D</b>	<b>0.50</b>	<b>± 0.3</b>



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance(uH)		Q		Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
	Tolerance	Test Freq. (Hz)	Min	Test Freq. (MHz)			
AFCI3216V-47N□T	0.047	50M/60mV	20	50	300	0.15	320
AFCI3216V-68N□T	0.068	50M/60mV	20	50	300	0.25	280
AFCI3216V-R10□T	0.1	25M/60mV	20	25	250	0.25	235
AFCI3216V-R12□T	0.12	25M/60mV	20	25	250	0.3	220
AFCI3216V-R15□T	0.15	25M/60mV	20	25	250	0.3	200
AFCI3216V-R18□T	0.18	25M/60mV	20	25	250	0.4	185
AFCI3216V-R22□T	0.22	25M/60mV	20	25	250	0.4	170
AFCI3216V-R27□T	0.27	25M/60mV	20	25	250	0.5	150
AFCI3216V-R33□T	0.33	25M/60mV	20	25	250	0.5	145
AFCI3216V-R39□T	0.39	25M/60mV	25	25	250	0.6	135
AFCI3216V-R47□T	0.47	25M/60mV	25	25	200	0.6	125
AFCI3216V-R56□T	0.56	25M/60mV	25	25	200	0.7	115
AFCI3216V-R68□T	0.68	25M/60mV	25	25	150	0.8	105



# AFCI3216V SERIES

AFCI3216V-R82□T	0.82	25M/60mV	25	25	150	0.9	100
AFCI3216V-1R0□T	1	10M/60mV	45	10	100	0.4	75
AFCI3216V-1R2□T	1.2	10M/60mV	45	10	100	0.5	65
AFCI3216V-1R5□T	1.5	10M/60mV	45	10	50	0.5	60
AFCI3216V-2R2□T	2.2	10M/60mV	45	10	50	0.6	50
AFCI3216V-3R3□T	3.3	10M/60mV	45	10	50	0.7	41
AFCI3216V-4R7□T	4.7	10M/60mV	45	10	50	0.9	35
AFCI3216V-100□T	10	2M/60mV	50	2	25	1	24

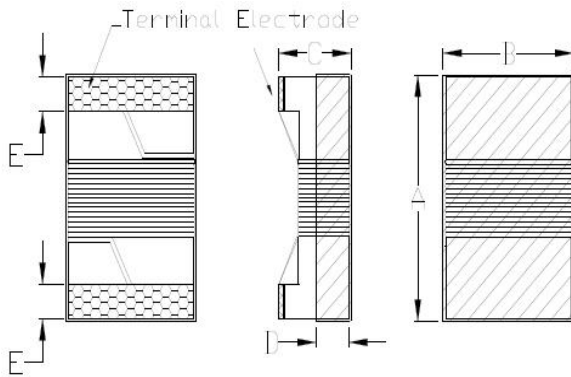
□: K=±10%, L=±15%, M=±20%

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.65</b>	<b>± 0.25</b>
<b>B</b>	<b>1.15</b>	<b>± 0.25</b>
<b>C</b>	<b>1.20</b>	<b>Max</b>
<b>D</b>	<b>0.38</b>	<b>Ref</b>
<b>E</b>	<b>0.35</b>	<b>± 0.10</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Typ	Test Freq. (MHz)	IDC (mA) Max	DCR (Ω) Max	SRF (MHz) Typ
ASWF1608LV-47NKT	0.047±10%	7.9M/0.5V	17	7.9	1500	0.075	1700
ASWF1608LV-72NKT	0.072±10%	7.9M/0.5V	17	7.9	1500	0.12	1700
ASWF1608LV-R10KT	0.1±10%	7.9M/0.5V	17	7.9	1500	0.12	1500
ASWF1608LV-R15KT	0.15±10%	7.9M/0.5V	17	7.9	1450	0.15	1350
ASWF1608LV-R18KT	0.18±10%	7.9M/0.5V	17	7.9	1400	0.15	1150
ASWF1608LV-R33KT	0.33±10%	7.9M/0.5V	17	7.9	900	0.46	850
ASWF1608LV-R39KT	0.39±10%	7.9M/0.5V	17	7.9	1100	0.51	810
ASWF1608LV-R47KT	0.47±10%	7.9M/0.5V	17	7.9	1050	0.62	720
ASWF1608LV-R56KT	0.56±10%	7.9M/0.5V	17	7.9	850	0.44	600
ASWF1608LV-R68KT	0.68±10%	7.9M/0.5V	17	7.9	850	0.52	600
ASWF1608LV-R82KT	0.82±10%	7.9M/0.5V	17	7.9	750	0.69	480
ASWF1608LV-R91KT	0.91±10%	7.9M/0.5V	17	7.9	670	0.76	330
ASWF1608LV-1R0KT	1.0±10%	7.9M/0.5V	17	7.9	600	0.81	310
ASWF1608LV-1R2KT	1.2±10%	7.9M/0.5V	17	7.9	550	0.87	270



## ASWF1608LV SERIES

ASWF1608LV-1R5KT	1.5±10%	7.9M/0.5V	17	7.9	540	1.06	270
ASWF1608LV-1R8KT	1.8±10%	7.9M/0.5V	17	7.9	520	1.1	230
ASWF1608LV-2R2KT	2.2±10%	7.9M/0.5V	17	7.9	500	1.2	130
ASWF1608LV-2R7KT	2.7±10%	7.9M/0.5V	17	7.9	480	1.5	105
ASWF1608LV-3R3KT	3.3±10%	7.9M/0.5V	17	7.9	440	1.5	84
ASWF1608LV-3R9KT	3.9±10%	7.9M/0.5V	17	7.9	430	1.6	80
ASWF1608LV-4R7KT	4.7±10%	7.9M/0.5V	18	7.9	420	2.1	69
ASWF1608LV-5R6JT	5.6±5%	7.9M/0.5V	18	7.9	350	2.6	65
ASWF1608LV-6R8JT	6.8±5%	7.9M/0.5V	19	7.9	330	3.1	55
ASWF1608LV-7R8JT	7.8±5%	7.9M/0.5V	17	7.9	320	3.5	47
ASWF1608LV-8R2JT	8.2±5%	7.9M/0.5V	17	7.9	300	3.8	42
ASWF1608LV-100JT	10±5%	7.9M/0.5V	19	7.9	270	4.8	40

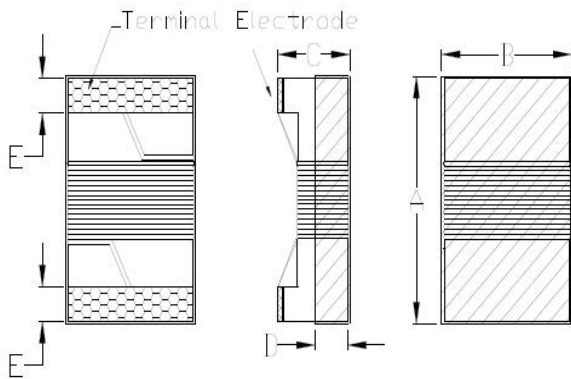
**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

# ASWF1608CV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.90</b>	<b>Max</b>
<b>B</b>	<b>1.30</b>	<b>Max</b>
<b>C</b>	<b>1.20</b>	<b>Max</b>
<b>D</b>	<b>0.38</b>	<b>Ref</b>
<b>E</b>	<b>0.35</b>	<b>± 0.10</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF1608CV-47N□T	0.047	7.96M/0.5V	10	7.96	1400	0.075	1500
ASWF1608CV-R10□T	0.1	7.96M/0.5V	10	7.96	1400	0.13	1150
ASWF1608CV-R12□T	0.12	7.96M/0.5V	10	7.96	1400	0.15	1100
ASWF1608CV-R15□T	0.15	7.96M/0.5V	10	7.96	1300	0.15	1050
ASWF1608CV-R18□T	0.18	7.96M/0.5V	10	7.96	1300	0.15	950
ASWF1608CV-R22□T	0.22	7.96M/0.5V	10	7.96	950	0.15	800
ASWF1608CV-R24□T	0.24	7.96M/0.5V	10	7.96	620	0.31	800
ASWF1608CV-R27□T	0.27	7.96M/0.5V	10	7.96	710	0.2	775
ASWF1608CV-R33□T	0.33	7.96M/0.5V	10	7.96	620	0.35	725
ASWF1608CV-R39□T	0.39	7.96M/0.5V	10	7.96	600	0.39	620
ASWF1608CV-R47□T	0.47	7.96M/0.5V	10	7.96	570	0.43	540
ASWF1608CV-R56□T	0.56	7.96M/0.5V	10	7.96	550	0.47	525
ASWF1608CV-R68□T	0.68	7.96M/0.5V	10	7.96	470	0.52	460
ASWF1608CV-R82□T	0.82	7.96M/0.5V	10	7.96	400	0.69	410



# ASWF1608CV SERIES

ASWF1608CV-1R0□T	1	7.96M/0.5V	10	7.96	400	0.81	190
ASWF1608CV-1R2□T	1.2	7.96M/0.5V	10	7.96	370	0.87	160
ASWF1608CV-1R5□T	1.5	7.96M/0.5V	10	7.96	350	0.96	100
ASWF1608CV-1R8□T	1.8	7.96M/0.5V	10	7.96	350	1.1	80
ASWF1608CV-2R2□T	2.2	7.96M/0.5V	10	7.96	320	1.2	68
ASWF1608CV-3R3□T	3.3	7.96M/0.5V	10	7.96	280	1.5	42
ASWF1608CV-3R9□T	3.9	7.96M/0.5V	10	7.96	280	1.5	40
ASWF1608CV-4R7□T	4.7	7.96M/0.5V	10	7.96	260	2.1	34
ASWF1608CV-5R6□T	5.6	7.96M/0.5V	10	7.96	240	2.6	32
ASWF1608CV-6R8□T	6.8	7.96M/0.5V	10	7.96	200	3.1	31
ASWF1608CV-8R2□T	8.2	7.96M/0.5V	10	7.96	190	4.4	26
ASWF1608CV-100□T	10	2.52M/0.5V	10	2.52	180	4.8	25

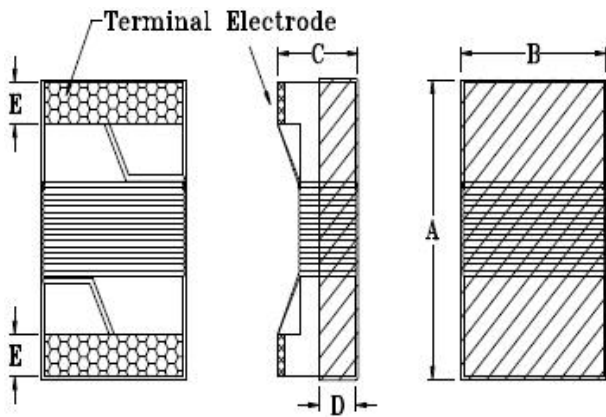
□: K=±10%, M=±20%

**1.Comply with AEC-Q200**

**2.Operating Temp:-55~+125°C**

**3.Storage Temp:-55~+125°C(on board)**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	2.50	Max
B	1.70	Max
C	1.40	Max
D	0.51	Ref
E	0.44	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF2012CV-R47□T	0.47	7.96M/0.5V	10	750	0.2	720
ASWF2012CV-R56□T	0.56	7.96M/0.5V	10	730	0.21	665
ASWF2012CV-R68□T	0.68	7.96M/0.5V	10	670	0.28	565
ASWF2012CV-1R0□T	1	7.96M/0.5V	10	615	0.34	525
ASWF2012CV-1R2□T	1.2	7.96M/0.5V	10	550	0.39	473
ASWF2012CV-1R5□T	1.5	7.96M/0.5V	10	520	0.45	300
ASWF2012CV-2R2□T	2.2	7.96M/0.5V	10	420	0.67	215
ASWF2012CV-3R3□T	3.3	7.96M/0.5V	10	385	0.81	95
ASWF2012CV-3R9□T	3.9	7.96M/0.5V	10	372	0.88	57
ASWF2012CV-4R7□T	4.7	7.96M/0.5V	10	345	0.99	51
ASWF2012CV-5R6□T	5.6	7.96M/0.5V	10	335	1.06	44
ASWF2012CV-6R8□T	6.8	7.96M/0.5V	10	315	1.21	39
ASWF2012CV-8R2□T	8.2	7.96M/0.5V	10	295	1.33	33



# ASWF2012CV SERIES

ASWF2012CV-100□T	10.0	2.52M/0.5V	10	260	1.79	30
ASWF2012CV-120□T	12.0	2.52M/0.5V	10	250	1.98	27
ASWF2012CV-150□T	15.0	2.52M/0.5V	10	215	2.68	22
ASWF2012CV-180□T	18.0	2.52M/0.5V	10	195	3.12	20
ASWF2012CV-220□T	22.0	2.52M/0.5V	10	180	3.48	18
ASWF2012CV-270□T	27.0	2.52M/0.5V	10	170	3.84	16
ASWF2012CV-330□T	33.0	2.52M/0.5V	10	145	4.34	15

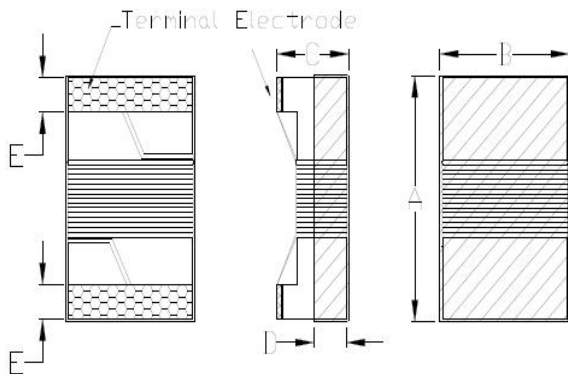
□:K=±10%, M=±20%

**1.Comply with AEC-Q200**

**2.Operating Temp:-55~+125°C**

**3.Storage Temp:-55~+125°C(on board)**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.00	Max
B	2.60	Max
C	2.10	Max
D	1.20	Ref
E	0.55	±0.10

## II.ELECTRICAL CHARACTERISTICS

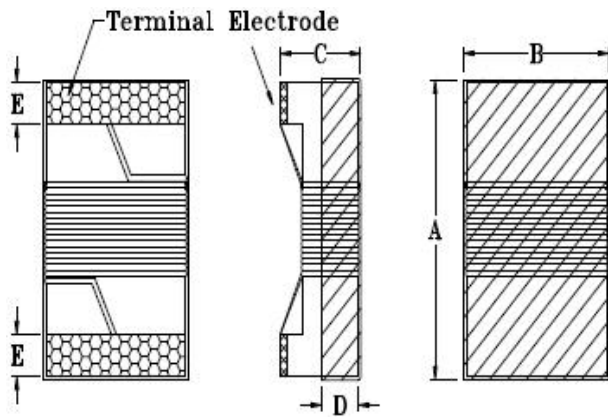
Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF2520CV-1R0□T	1	7.96M/0.5V	7.96	12	1000	0.13	345
ASWF2520CV-1R5□T	1.5	7.96M/0.5V	7.96	12	850	0.17	100
ASWF2520CV-2R2□T	2.2	7.96M/0.5V	7.96	12	775	0.21	78
ASWF2520CV-3R3□T	3.3	7.96M/0.5V	7.96	12	715	0.26	48
ASWF2520CV-4R7□T	4.7	7.96M/0.5V	7.96	12	505	0.52	46
ASWF2520CV-6R8□T	6.8	7.96M/0.5V	7.96	12	432	0.72	33
ASWF2520CV-8R2□T	8.2	2.52M/0.5V	2.52	12	410	0.76	30
ASWF2520CV-100□T	10	2.52M/0.5V	2.52	12	392	0.86	28
ASWF2520CV-150□T	15	2.52M/0.5V	2.52	12	342	1.09	21
ASWF2520CV-220□T	22	2.52M/0.5V	2.52	12	260	1.96	18
ASWF2520CV-330□T	33	2.52M/0.5V	2.52	12	236	2.47	15

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+125°C(on board)

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.70	Max
B	2.90	Max
C	2.60	Max
D	0.80	Ref
E	0.55	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWF3225CV-1R0□T	1	7.96M/0.5V	10	1200	0.12	290
ASWF3225CV-1R5□T	1.5	7.96M/0.5V	10	1000	0.13	260
ASWF3225CV-2R2□T	2.2	7.96M/0.5V	10	880	0.17	190
ASWF3225CV-3R3□T	3.3	7.96M/0.5V	10	775	0.22	64
ASWF3225CV-4R7□T	4.7	7.96M/0.5V	10	710	0.26	54
ASWF3225CV-6R8□T	6.8	7.96M/0.5V	10	660	0.3	34
ASWF3225CV-100□T	10	2.52M/0.5V	10	570	0.39	25
ASWF3225CV-150□T	15	2.52M/0.5V	10	440	0.66	17
ASWF3225CV-220□T	22	2.52M/0.5V	10	400	0.82	16
ASWF3225CV-330□T	33	2.52M/0.5V	10	285	1.5	12
ASWF3225CV-390□T	39	2.52M/0.5V	10	270	1.66	12
ASWF3225CV-470□T	47	2.52M/0.5V	10	260	1.9	10
ASWF3225CV-680□T	68	2.52M/0.5V	10	235	2.29	9



## ASWF3225CV SERIES

ASWF3225CV-101□T	100	1M/0.5V	10	190	3.48	7
ASWF3225CV-151□T	150	1M/0.5V	10	140	6.55	5
ASWF3225CV-221□T	220	1M/0.5V	10	115	8.23	4
ASWF3225CV-331□T	330	1M/0.5V	10	98	13.7	2.8
ASWF3225CV-471□T	470	1M/0.5V	10	86	18.1	2.6
ASWF3225CV-681□T	680	1M/0.5V	10	76	22	2.3

□:K=±10%, M=±20%

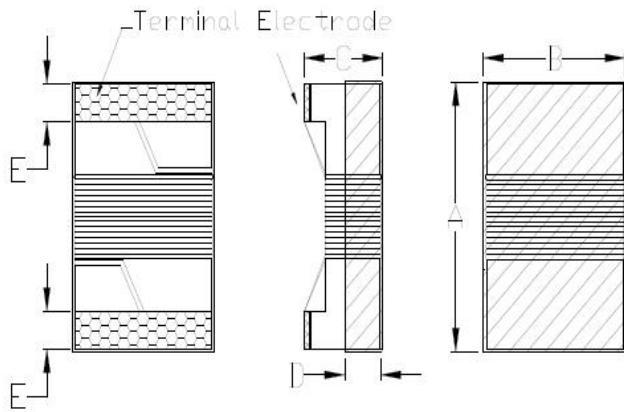
**1.Comply with AEC-Q200**

**2.Operating Temp:-55~+125°C**

**3.Storage Temp:-55~+125°C(on board)**

# ASWI0603V SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>1.90</b>	<b>Max</b>
<b>B</b>	<b>1.30</b>	<b>Max</b>
<b>C</b>	<b>1.20</b>	<b>Max</b>
<b>D</b>	<b>0.38</b>	<b>Ref</b>
<b>E</b>	<b>0.35</b>	<b>±0.10</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	Q@ 250MHz Min	Irms (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWI0603V-2N0□T	2	C,S	250M/0.1V	13	700	0.07	8000
ASWI0603V-3N9□T	3.9	C,S	250M/0.1V	22	700	0.07	6900
ASWI0603V-4N7□T	4.7	C,J,K	250M/0.1V	20	700	0.12	5800
ASWI0603V-6N8□T	6.8	C,J,K	250M/0.1V	27	700	0.08	5800
ASWI0603V-8N2□T	8.2	C,J,K	250M/0.1V	30	700	0.13	4200
ASWI0603V-10N□T	10	J,K	250M/0.1V	31	700	0.13	4800
ASWI0603V-12N□T	12	J,K	250M/0.1V	35	700	0.13	4000
ASWI0603V-15N□T	15	J,K	250M/0.1V	35	700	0.13	4000
ASWI0603V-18N□T	18	J,K	250M/0.1V	35	700	0.16	3100
ASWI0603V-22N□T	22	J,K	250M/0.1V	38	700	0.23	3000
ASWI0603V-24N□T	24	J,K	250M/0.1V	38	700	0.13	2800
ASWI0603V-27N□T	27	J,K	250M/0.1V	40	600	0.14	2800
ASWI0603V-33N□T	33	J,K	250M/0.1V	40	600	0.22	2300
ASWI0603V-39N□T	39	J	250M/0.1V	40	600	0.3	2200



# ASWI0603V SERIES

ASWI0603V-47N□T	47	J,K	200M/0.1V	38	600	0.35	2000
ASWI0603V-56N□T	56	J,K	200M/0.1V	38	600	0.37	1900
ASWI0603V-68N□T	68	J,K	200M/0.1V	37	600	0.43	1700
ASWI0603V-72N□T	72	J,K	150M/0.1V	34	400	0.42	1700
ASWI0603V-82N□T	82	J,K	150M/0.1V	34	400	0.71	1700
ASWI0603V-R10□T	100	J,K	150M/0.1V	34	400	0.78	1400
ASWI0603V-R12□T	120	J,K	150M/0.1V	32	300	0.84	1300
ASWI0603V-R15□T	150	J,K	150M/0.1V	28	280	0.96	990
ASWI0603V-R18□T	180	J,K	100M/0.1V	25	240	1.52	990
ASWI0603V-R22□T	220	J,K	100M/0.1V	25	200	2.02	900
ASWI0603V-R27□T	270	J,K	100M/0.1V	24	170	2.36	900
ASWI0603V-R33□T	330	J,K	100M/0.1V	24	185	3.4	700
ASWI0603V-R39□T	390	J,K	100M/0.1V	24	100	3.6	900

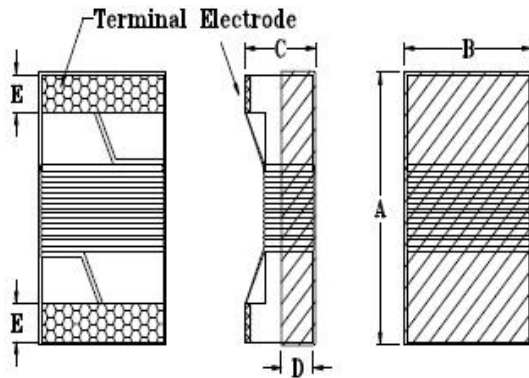
□: C=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	2.39	Max
B	1.83	Max
C	1.52	Max
D	0.51	Ref
E	0.44	± 0.1



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Test Freq. (Hz)	Rated Current (mA) Max	DCR (Ω) Max	SRF (MHz) Min	Q/Test Freq. Min
ASWI0805UV-2N8□T	2.8	250M/0.1V	800	0.06	7900	80/1500
ASWI0805UV-3N0□T	3	250M/0.1V	800	0.06	7900	65/1500
ASWI0805UV-3N3□T	3.3	250M/0.1V	600	0.08	7900	50/1500
ASWI0805UV-5N6□T	5.6	250M/0.1V	600	0.08	5500	65/1000
ASWI0805UV-6N8□T	6.8	250M/0.1V	600	0.11	5500	50/1000
ASWI0805UV-7N5□T	7.5	250M/0.1V	600	0.14	4500	50/1000
ASWI0805UV-8N2□T	8.2	250M/0.1V	600	0.12	4700	50/1000
ASWI0805UV-10N□T	10	250M/0.1V	600	0.1	4200	60/500
ASWI0805UV-12N□T	12	250M/0.1V	600	0.15	4000	50/500
ASWI0805UV-15N□T	15	250M/0.1V	600	0.17	3400	50/500
ASWI0805UV-18N□T	18	250M/0.1V	600	0.2	3300	50/500
ASWI0805UV-22N□T	22	250M/0.1V	500	0.22	2600	55/500
ASWI0805UV-24N□T	24	250M/0.1V	500	0.22	2000	50/500
ASWI0805UV-27N□T	27	250M/0.1V	500	0.25	2500	55/500
ASWI0805UV-33N□T	33	250M/0.1V	500	0.27	2050	60/500
ASWI0805UV-36N□T	36	250M/0.1V	500	0.27	1700	55/500
ASWI0805UV-39N□T	39	250M/0.1V	500	0.29	2000	60/500
ASWI0805UV-43N□T	43	200M/0.1V	500	0.34	1650	60/500
ASWI0805UV-47N□T	47	200M/0.1V	500	0.31	1650	60/500



# ASWI0805UV SERIES

ASWI0805UV-56N□T	56	200M/0.1V	500	0.34	1550	60/500
ASWI0805UV-68N□T	68	200M/0.1V	500	0.38	1450	60/500
ASWI0805UV-82N□T	82	150M/0.1V	400	0.42	1300	65/500
ASWI0805UV-91N□T	91	150M/0.1V	400	0.48	1200	65/500
ASWI0805UV-R10□T	100	150M/0.1V	400	0.46	1200	65/500
ASWI0805UV-R11□T	110	150M/0.1V	400	0.48	1000	50/250
ASWI0805UV-R12□T	120	150M/0.1V	400	0.51	1100	50/250
ASWI0805UV-R15□T	150	100M/0.1V	400	0.56	920	50/250
ASWI0805UV-R18□T	180	100M/0.1V	400	0.64	870	50/250
ASWI0805UV-R20□T	200	100M/0.1V	400	0.68	860	50/250
ASWI0805UV-R22□T	220	100M/0.1V	400	0.7	850	50/250
ASWI0805UV-R24□T	240	100M/0.1V	350	1	690	44/250
ASWI0805UV-R25□T	250	100M/0.1V	350	1.2	660	45/250
ASWI0805UV-R27□T	270	100M/0.1V	350	1	650	48/250
ASWI0805UV-R33□T	330	100M/0.1V	310	1.4	600	48/250
ASWI0805UV-R39□T	390	100M/0.1V	290	1.5	560	48/250
ASWI0805UV-R47□T	470	50M/0.1V	250	1.7	375	33/100
ASWI0805UV-R56□T	560	25M/0.1V	230	1.9	340	23/50
ASWI0805UV-R62□T	620	25M/0.1V	210	2.2	220	23/50
ASWI0805UV-R68□T	680	25M/0.1V	190	2.2	188	23/50
ASWI0805UV-R82□T	820	25M/0.1V	180	2.35	215	23/50
ASWI0805UV-1R0□T	1000	25M/0.1V	170	2.5	100	20/50
ASWI0805UV-1R2□T	1200	7.9M/0.1V	170	2.5	100	18/25

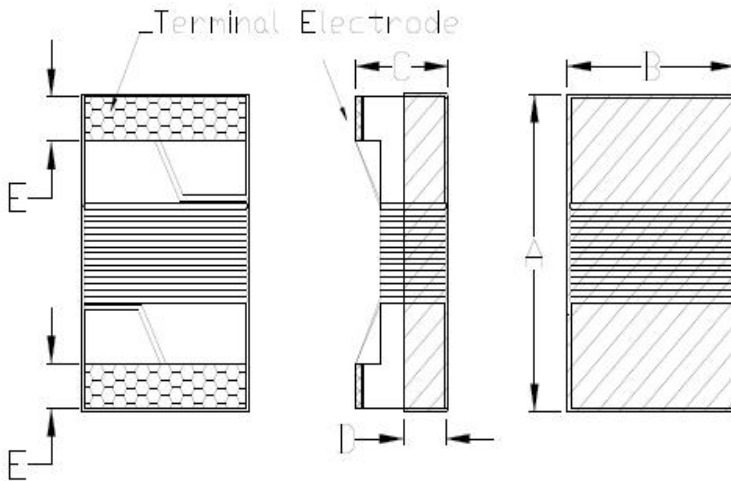
□: C=±0.2nH, S=±0.3nH, G=±2%, J=±5%, K=±10%

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.02	Max
B	2.89	Max
C	2.20	Max
D	1.20	Ref
E	0.55	±0.10



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	Q@Test Freq. Min	Irms (mA) Max	DCR (Ω) Max	SRF (MHz) Min
ASWI1008UV-10N□T	10	G,J,K	50M/0.1V	50/500	1000	0.08	4100
ASWI1008UV-12N□T	12	G,J,K	50M/0.1V	50/500	1000	0.09	3300
ASWI1008UV-15N□T	15	G,J,K	50M/0.1V	50/500	1000	0.18	2500
ASWI1008UV-18N□T	18	G,J,K	50M/0.1V	50/350	1000	0.11	2500
ASWI1008UV-22N□T	22	G,J,K	50M/0.1V	55/350	1000	0.12	2400
ASWI1008UV-27N□T	27	G,J,K	50M/0.1V	55/350	1000	0.13	1600
ASWI1008UV-33N□T	33	G,J,K	50M/0.1V	60/350	1000	0.14	1600
ASWI1008UV-39N□T	39	G,J,K	50M/0.1V	60/350	1000	0.15	1500
ASWI1008UV-47N□T	47	G,J,K	50M/0.1V	65/350	1000	0.16	1500
ASWI1008UV-56N□T	56	G,J,K	50M/0.1V	65/350	1000	0.18	1300
ASWI1008UV-68N□T	68	G,J,K	50M/0.1V	65/350	1000	0.2	1300
ASWI1008UV-82N□T	82	G,J,K	50M/0.1V	60/350	1000	0.22	1000
ASWI1008UV-R10□T	100	G,J,K	25M/0.1V	60/350	650	0.56	1000
ASWI1008UV-R12□T	120	G,J,K	25M/0.1V	60/350	650	0.63	950
ASWI1008UV-R15□T	150	G,J,K	25M/0.1V	45/100	580	0.7	850
ASWI1008UV-R18□T	180	G,J,K	25M/0.1V	45/100	620	0.77	750



# ASWI1008UV SERIES

ASWI1008UV-R22□T	220	G,J,K	25M/0.1V	45/100	500	0.84	700
ASWI1008UV-R27□T	270	G,J,K	25M/0.1V	45/100	500	0.91	600
ASWI1008UV-R33□T	330	G,J,K	25M/0.1V	45/100	450	1.05	570
ASWI1008UV-R39□T	390	G,J,K	25M/0.1V	45/100	470	1.12	500
ASWI1008UV-R47□T	470	G,J,K	25M/0.1V	45/100	470	1.19	450
ASWI1008UV-R56□T	560	G,J,K	25M/0.1V	45/100	400	1.33	415
ASWI1008UV-R62□T	620	G,J,K	25M/0.1V	45/100	300	1.4	375
ASWI1008UV-R68□T	680	G,J,K	25M/0.1V	45/100	400	1.47	375
ASWI1008UV-R75□T	750	G,J,K	25M/0.1V	45/100	360	1.54	360
ASWI1008UV-R82□T	820	G,J,K	25M/0.1V	45/100	400	1.61	350
ASWI1008UV-R91□T	910	G,J,K	25M/0.1V	35/50	380	1.68	320
ASWI1008UV-1R0□T	1000	G,J,K	25M/0.1V	35/50	370	1.75	290
ASWI1008UV-1R2□T	1200	G,J,K	7.9M/0.1V	35/50	310	2	250
ASWI1008UV-1R5□T	1500	G,J,K	7.9M/0.1V	28/50	330	2.23	200
ASWI1008UV-1R8□T	1800	G,J,K	7.9M/0.1V	28/50	300	2.6	160
ASWI1008UV-2R2□T	2200	G,J,K	7.9M/0.1V	28/50	280	2.8	160
ASWI1008UV-2R7□T	2700	G,J,K	7.9M/0.1V	22/25	290	3.2	140
ASWI1008UV-3R3□T	3300	G,J,K	7.9M/0.1V	22/25	290	3.4	110
ASWI1008UV-3R9□T	3900	G,J,K	7.9M/0.1V	20/25	260	3.6	100
ASWI1008UV-4R7□T	4700	G,J,K	7.9M/0.1V	18/7.9	200	4	32
ASWI1008UV-5R6□T	5600	G,J,K	7.9M/0.1V	18/7.9	200	4	25
ASWI1008UV-6R8□T	6800	G,J,K	7.9M/0.1V	18/7.9	200	4.9	21
ASWI1008UV-8R2□T	8200	G,J,K	7.9M/0.1V	16/7.9	170	6	16
ASWI1008UV-100□T	10000	G,J,K	2.52M/0.1V	15/7.9	170	8	14

□: G=±2%, J=±5%, K=±10%

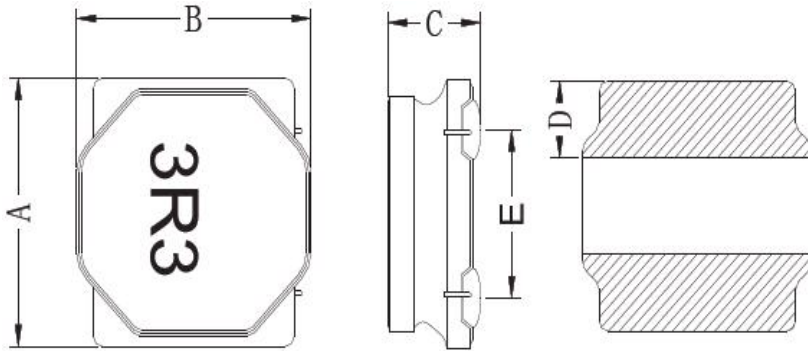
**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

# ACDNR4018LPBV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.00</b>	<b>± 0.3</b>
<b>B</b>	<b>4.00</b>	<b>± 0.3</b>
<b>C</b>	<b>1.80</b>	<b>Max</b>
<b>D1</b>	<b>1.10</b>	<b>± 0.2</b>
<b>D2</b>	<b>2.50</b>	<b>± 0.2</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Max	Irms (A) Typ	DCR (mΩ) Typ
ACDNR4018LPBV-R47MT	0.47±20%	100K/1V	6	5.5	15
ACDNR4018LPBV-R56MT	0.56±20%	100K/1V	5	4.5	19
ACDNR4018LPBV-1R0YT	1.0±30%	100K/1V	4	3.2	27
ACDNR4018LPBV-1R2YT	1.2±30%	100K/1V	3.7	2.8	30
ACDNR4018LPBV-1R5YT	1.5±30%	100K/1V	3.3	2.4	37
ACDNR4018LPBV-1R8MT	1.8±20%	100K/1V	3.2	2.3	40
ACDNR4018LPBV-2R2MT	2.2±20%	100K/1V	3	2.2	42
ACDNR4018LPBV-2R7MT	2.7±20%	100K/1V	2.6	2.1	50
ACDNR4018LPBV-3R3MT	3.3±20%	100K/1V	2.3	2	55
ACDNR4018LPBV-4R7MT	4.7±20%	100K/1V	2	1.7	70
ACDNR4018LPBV-6R8MT	6.8±20%	100K/1V	1.6	1.45	98
ACDNR4018LPBV-7R5MT	7.5±20%	100K/1V	1.5	1.35	120
ACDNR4018LPBV-100MT	10±20%	100K/1V	1.3	1.2	150
ACDNR4018LPBV-150MT	15±20%	100K/1V	1.1	0.85	210



## ACDNR4018LPBV SERIES

ACDNR4018LPBV-220MT	22±20%	100K/1V	0.9	0.72	290
ACDNR4018LPBV-330MT	33±20%	100K/1V	0.7	0.55	460
ACDNR4018LPBV-470MT	47±20%	100K/1V	0.6	0.44	650
ACDNR4018LPBV-680MT	68±20%	100K/1V	0.52	0.32	1000
ACDNR4018LPBV-101MT	100±20%	100K/1V	0.42	0.28	1450
ACDNR4018LPBV-151MT	150±20%	100K/1V	0.34	0.22	2300
ACDNR4018LPBV-221MT	220±20%	100K/1V	0.275	0.17	3800

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

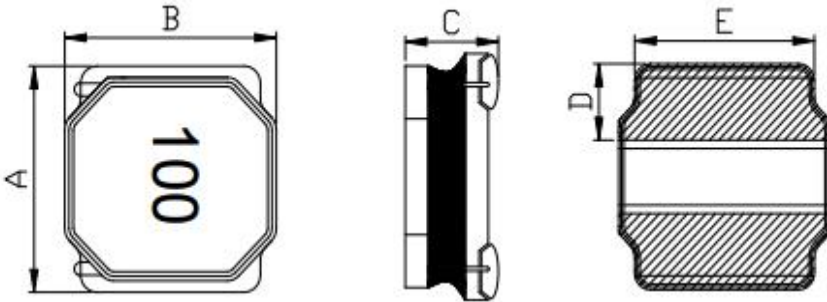
**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDNR4030LPNV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	4.00	± 0.3
B	4.00	± 0.3
C	3.00	Max
D	1.35	± 0.3
E	3.40	± 0.4



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Tolerance (%)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) ± 20%
ACDNR4030LPNV-R68MT	0.68	±20%	6.8	4.6	10
ACDNR4030LPNV-1R0MT	1	±20%	5.3	4.2	14
ACDNR4030LPNV-1R5MT	1.5	±20%	4.9	3.4	20
ACDNR4030LPNV-2R2MT	2.2	±20%	4.9	3	30
ACDNR4030LPNV-3R3MT	3.3	±20%	3.3	2.4	40
ACDNR4030LPNV-4R7MT	4.7	±20%	2.9	2.05	60
ACDNR4030LPNV-5R6MT	5.6	±20%	2.6	1.95	65
ACDNR4030LPNV-6R8MT	6.8	±20%	2.75	1.8	90
ACDNR4030LPNV-8R2MT	8.2	±20%	2.1	1.6	90
ACDNR4030LPNV-100MT	10	±20%	2	1.5	100
ACDNR4030LPNV-120MT	12	±20%	1.8	1.3	135
ACDNR4030LPNV-150MT	15	±20%	1.7	1.2	190
ACDNR4030LPNV-180MT	18	±20%	1.5	1.1	200
ACDNR4030LPNV-220MT	22	±20%	1.3	1	225
ACDNR4030LPNV-330MT	33	±20%	1.1	0.85	330
ACDNR4030LPNV-470MT	47	±20%	0.95	0.72	445

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. All Test data referenced to 25°C ambient, Ls: 100KHz/1V

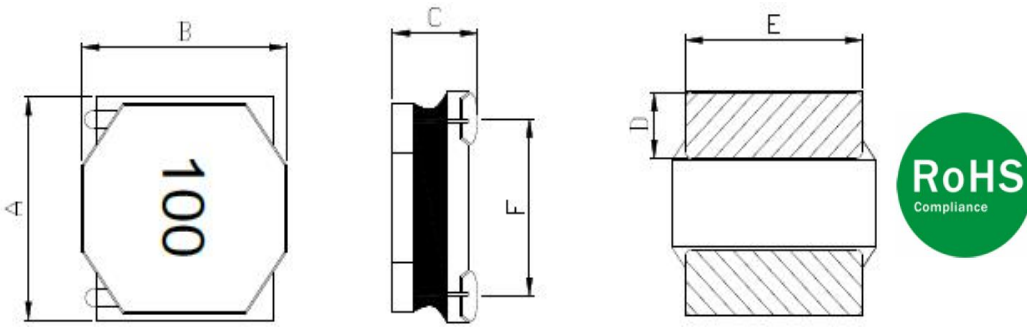
5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C



# ACDNR5020LPNV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	5.00	± 0.3
B	5.00	± 0.3
C	2.00	Max
D	1.30	± 0.2
E	4.70	± 0.2
F	3.70	Ref

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Tolerance (%)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) ± 20%
ACDNR5020LPNV-1R0YT	1	±30%	5	4.1	20
ACDNR5020LPNV-1R2YT	1.2	±30%	4.8	3.8	20
ACDNR5020LPNV-1R5YT	1.5	±30%	4.5	3.5	25
ACDNR5020LPNV-2R2MT	2.2	±20%	4.1	3.3	32
ACDNR5020LPNV-2R7MT	2.7	±20%	3.8	3	38
ACDNR5020LPNV-3R3MT	3.3	±20%	3.5	2.8	43
ACDNR5020LPNV-4R7MT	4.7	±20%	2.7	2.4	60
ACDNR5020LPNV-5R6MT	5.6	±20%	2.4	2.1	69
ACDNR5020LPNV-6R8MT	6.8	±20%	2.1	1.9	90
ACDNR5020LPNV-8R2MT	8.2	±20%	1.9	1.75	98
ACDNR5020LPNV-100MT	10	±20%	1.7	1.6	110
ACDNR5020LPNV-120MT	12	±20%	1.4	1.4	135
ACDNR5020LPNV-150MT	15	±20%	1.3	1.25	165
ACDNR5020LPNV-180MT	18	±20%	1.2	1.17	190
ACDNR5020LPNV-220MT	22	±20%	1.1	1.1	225
ACDNR5020LPNV-330MT	33	±20%	0.8	0.8	335
ACDNR5020LPNV-470MT	47	±20%	0.7	0.7	460

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

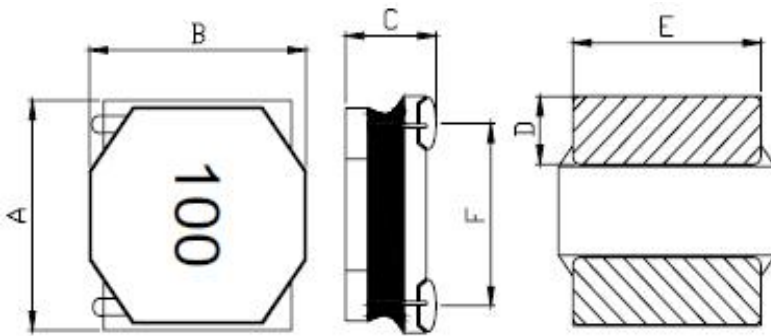
3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

# ACDNR5040LPNV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.95</b>	<b>± 0.3</b>	
<b>B</b>	<b>4.95</b>	<b>± 0.3</b>	
<b>C</b>	<b>4.10</b>	<b>Max</b>	<b>≤10uH</b>
	<b>4.00</b>	<b>Max</b>	<b>&gt;10uH</b>
<b>D</b>	<b>1.30</b>	<b>± 0.3</b>	
<b>E</b>	<b>4.20</b>	<b>± 0.2</b>	
<b>F</b>	<b>3.70</b>	<b>Ref</b>	

## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Test Freq. (Hz)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) Max</b>	<b>DCR (mΩ) Typ</b>
ACDNR5040LPNV-R47MT	0.47±20%	100K/1V	12	9	7.44	6.5
ACDNR5040LPNV-R60MT	0.6±20%	100K/1V	11	8	9.6	8
ACDNR5040LPNV-1R0MT	1.0±20%	100K/1V	7.5	5	14.4	12
ACDNR5040LPNV-1R2MT	1.2±20%	100K/1V	7	4.7	15.6	13
ACDNR5040LPNV-1R5MT	1.5±20%	100K/1V	6.5	4.5	18	15
ACDNR5040LPNV-1R8MT	1.8±20%	100K/1V	6.1	4.2	21.6	18
ACDNR5040LPNV-2R2MT	2.2±20%	100K/1V	5.7	3.8	25.2	21
ACDNR5040LPNV-3R3MT	3.3±20%	100K/1V	4.4	3.5	28.8	24
ACDNR5040LPNV-4R7MT	4.7±20%	100K/1V	3.9	3.2	38.4	32
ACDNR5040LPNV-6R8MT	6.8±20%	100K/1V	3.3	2.5	51.6	43
ACDNR5040LPNV-8R2MT	8.2±20%	100K/1V	2.9	2.35	60	50
ACDNR5040LPNV-100MT	10±20%	100K/1V	2.2	2.2	67.2	56
ACDNR5040LPNV-150MT	15±20%	100K/1V	1.9	1.8	96	80



## ACDNR5040LPNV SERIES

ACDNR5040LPNV-220MT	22±20%	100K/1V	1.62	1.5	147.6	123
ACDNR5040LPNV-270MT	27±20%	100K/1V	1.4	1.3	192	160
ACDNR5040LPNV-330MT	33±20%	100K/1V	1.3	1.2	216	180
ACDNR5040LPNV-470MT	47±20%	100K/1V	1.1	1	324	270
ACDNR5040LPNV-680MT	68±20%	100K/1V	0.9	0.8	480	400
ACDNR5040LPNV-820MT	82±20%	100K/1V	0.78	0.75	588	490
ACDNR5040LPNV-101MT	100±20%	100K/1V	0.75	0.72	672	560
ACDNR5040LPNV-221MT	220±20%	100K/1V	0.62	0.55	1800	1500

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

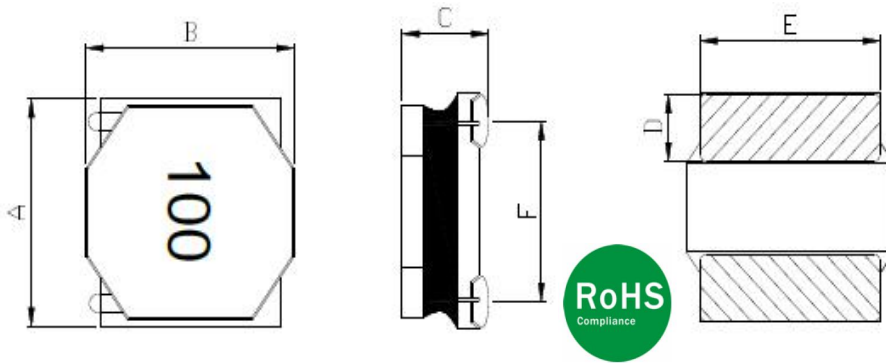
**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

# ACDNR6020LPNV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	6.00	± 0.3
B	6.00	± 0.3
C	2.00	Max
D	1.60	± 0.3
E	5.80	± 0.3
F	4.30	Ref

## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR6020LPNV-R80MT	0.8±20%	7.5	5.5	19.2	16
ACDNR6020LPNV-1R0MT	1.0±20%	6.2	4.5	23	19
ACDNR6020LPNV-1R5MT	1.5±20%	5.5	3.8	27	22.5
ACDNR6020LPNV-2R0MT	2.0±20%	5.3	3.65	30	25
ACDNR6020LPNV-2R2MT	2.2±20%	5	3.5	35	29
ACDNR6020LPNV-3R3MT	3.3±20%	4	3.3	42	35
ACDNR6020LPNV-4R7MT	4.7±20%	3	2.8	65	54
ACDNR6020LPNV-5R6MT	5.6±20%	2.7	2.6	71	59
ACDNR6020LPNV-6R8MT	6.8±20%	2.6	2.5	94	78
ACDNR6020LPNV-8R2MT	8.2±20%	2.4	2.3	124	103
ACDNR6020LPNV-100MT	10±20%	2.1	2.1	127	106
ACDNR6020LPNV-150MT	15±20%	1.5	1.6	166	138
ACDNR6020LPNV-220MT	22±20%	1.3	1.4	245	204
ACDNR6020LPNV-330MT	33±20%	1.2	1.3	408	340

□: K=±10%, L=±15%, M=±20%, Y=±30%

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

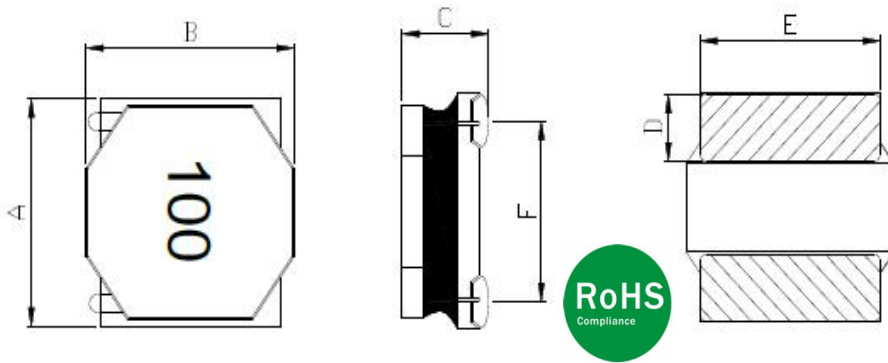
4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

# ACDNR6028LPNV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	6.00	± 0.3
B	6.00	± 0.3
C	2.80	Max
D	1.60	± 0.3
E	5.80	± 0.3
F	4.30	Ref

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Irms (A) Typ	DCR (mΩ) Typ
ACDNR6028LPNV-1R0YT	1.0±30%	5.75	5.2	10
ACDNR6028LPNV-1R5YT	1.5±30%	5.3	4.95	14
ACDNR6028LPNV-2R2MT	2.2±20%	5	4.5	18
ACDNR6028LPNV-3R3MT	3.3±20%	4.3	3.6	24
ACDNR6028LPNV-4R7MT	4.7±20%	3.2	3.1	30
ACDNR6028LPNV-6R8MT	6.8±20%	2.85	2.5	47
ACDNR6028LPNV-100MT	10±20%	2.1	2	65
ACDNR6028LPNV-150MT	15±20%	2	1.8	98
ACDNR6028LPNV-220MT	22±20%	1.6	1.5	138
ACDNR6028LPNV-330MT	33±20%	1.4	1.3	200
ACDNR6028LPNV-470MT	47±20%	1.15	1.06	280
ACDNR6028LPNV-680MT	68±20%	1	0.81	420
ACDNR6028LPNV-101MT	100±20%	0.8	0.72	605
ACDNR6028LPNV-471MT	470±20%	0.32	0.32	2250

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

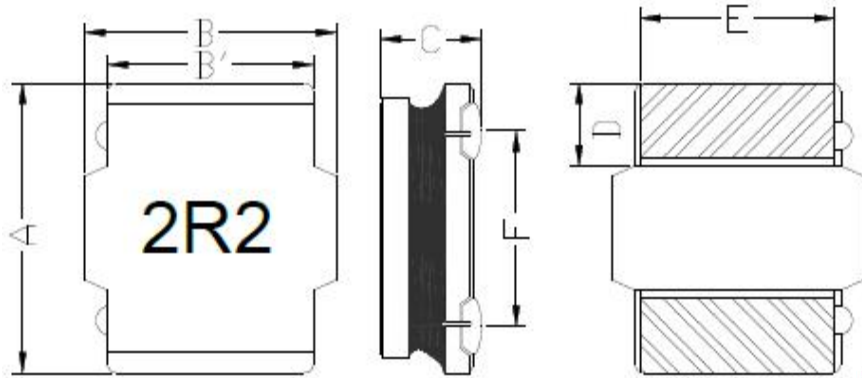
4. All test data referenced to 25°C ambient, Ls: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

# ACDNR6045LPNV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>6.00</b>	<b>± 0.3</b>
<b>B</b>	<b>6.00</b>	<b>± 0.3</b>
<b>B'</b>	<b>4.80</b>	<b>± 0.3</b>
<b>C</b>	<b>4.50</b>	<b>Max</b>
<b>D</b>	<b>1.90</b>	<b>± 0.3</b>
<b>E</b>	<b>4.80</b>	<b>± 0.3</b>
<b>F</b>	<b>4.25</b>	<b>± 0.3</b>



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR6045LPNV-R36MT	0.36±20%	16.5	18	8.5	9	5.8	4.8
ACDNR6045LPNV-R47MT	0.47±20%	16	17	8	8.6	8.2	6.8
ACDNR6045LPNV-R82MT	0.82±20%	13.5	14.5	7.5	8.2	10	8.5
ACDNR6045LPNV-1R0MT	1.0±20%	12.5	13.5	7.3	8	12	10
ACDNR6045LPNV-1R2MT	1.2±20%	11.5	12.5	7	7.5	13	10.5
ACDNR6045LPNV-1R3MT	1.3±20%	11.5	12.5	7	7.5	13	10.5
ACDNR6045LPNV-1R5MT	1.5±20%	9.5	12	6.6	7	14	11.7
ACDNR6045LPNV-1R8MT	1.8±20%	9	11	6.2	6.8	14	12
ACDNR6045LPNV-2R0MT	2.0±20%	8.5	10.5	5.8	6.5	16	13.5
ACDNR6045LPNV-2R2MT	2.2±20%	8.4	9.5	5.3	6	18	15
ACDNR6045LPNV-2R3MT	2.3±20%	8.2	9.3	5	5.8	19	16
ACDNR6045LPNV-3R0MT	3.0±20%	7.5	8	4.6	5.2	24	20
ACDNR6045LPNV-3R3MT	3.3±20%	7	7.8	4.5	5	25	21
ACDNR6045LPNV-3R6MT	3.6±20%	6.9	7.4	4.3	4.9	27	22.5
ACDNR6045LPNV-4R7MT	4.7±20%	6.2	6.8	4	4.5	31	26
ACDNR6045LPNV-5R6MT	5.6±20%	5.7	6.4	3.7	4.1	37	31
ACDNR6045LPNV-6R3MT	6.3±20%	5.3	5.9	3.5	3.8	40	33
ACDNR6045LPNV-6R8MT	6.8±20%	5.15	5.7	3.3	3.6	41	34
ACDNR6045LPNV-8R2MT	8.2±20%	4.5	5.1	2.9	3.4	55	46
ACDNR6045LPNV-100MT	10±20%	3.8	4.6	2.6	3.2	62	52
ACDNR6045LPNV-150MT	15±20%	3.1	3.8	2.2	2.8	85	71
ACDNR6045LPNV-180MT	18±20%	2.9	3.4	2.1	2.6	96	80



# ACDNR6045LPNV SERIES

ACDNR6045LPNV-220MT	22±20%	2.3	3.3	1.9	2.3	115	96
ACDNR6045LPNV-330MT	33±20%	1.8	2.5	1.5	1.8	174	145
ACDNR6045LPNV-470MT	47±20%	1.75	2	1.2	1.6	240	200
ACDNR6045LPNV-560MT	56±20%	1.55	1.8	1	1.4	276	230
ACDNR6045LPNV-680MT	68±20%	1.35	1.6	0.92	1.1	366	305
ACDNR6045LPNV-820MT	82±20%	1.4	1.5	0.88	0.98	438	365
ACDNR6045LPNV-101MT	100±20%	1.15	1.33	0.82	0.92	547	456
ACDNR6045LPNV-121MT	120±20%	1	1.2	0.79	0.85	600	500
ACDNR6045LPNV-151MT	150±20%	0.95	1.1	0.7	0.75	751	626
ACDNR6045LPNV-181MT	180±20%	0.9	1	0.6	0.68	894	745
ACDNR6045LPNV-221MT	220±20%	0.77	0.88	0.5	0.6	1080	900
ACDNR6045LPNV-331MT	330±20%	0.55	0.6	0.45	0.55	1680	1400
ACDNR6045LPNV-471MT	470±20%	0.45	0.5	0.35	0.4	2460	2050

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

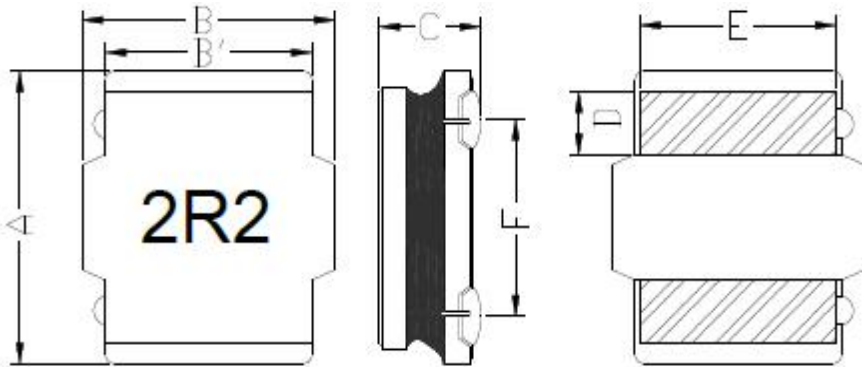
**4. All test data referenced to 25°C ambient, Ls: 1MHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

# ACDNR8040LPNV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>8.00</b>	<b>± 0.4</b>
<b>B</b>	<b>8.00</b>	<b>± 0.4</b>
<b>B'</b>	<b>6.30</b>	<b>± 0.3</b>
<b>C</b>	<b>4.20</b>	<b>Max(1R0~100)</b>
	<b>4.00</b>	<b>Max(150~471)</b>
<b>D</b>	<b>2.40</b>	<b>± 0.3</b>
<b>E</b>	<b>6.30</b>	<b>± 0.3</b>
<b>F</b>	<b>5.50</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDNR8040LPNV-R50MT	0.5±20%	15	17	10	12	6.6	5.5
ACDNR8040LPNV-1R0MT	1.0±20%	13	13.8	8	8.5	9.8	8.2
ACDNR8040LPNV-1R4MT	1.4±20%	11.2	11.8	7.8	8.2	12	10
ACDNR8040LPNV-1R5MT	1.5±20%	11	11.5	7.7	8	12	10
ACDNR8040LPNV-2R2MT	2.2±20%	9.2	9.8	6.9	7.4	14	11.5
ACDNR8040LPNV-3R3MT	3.3±20%	7.5	8	6.2	6.6	18	15
ACDNR8040LPNV-3R6MT	3.6±20%	7	7.6	6	6.4	18	15
ACDNR8040LPNV-4R7MT	4.7±20%	6	6.7	5.3	5.8	23	19.5
ACDNR8040LPNV-5R6MT	5.6±20%	5.8	6.2	5.2	5.4	26	22
ACDNR8040LPNV-6R8MT	6.8±20%	5.1	5.6	5	5.1	30	25
ACDNR8040LPNV-100MT	10±20%	4.3	5	4.2	4.6	40	33
ACDNR8040LPNV-150MT	15±20%	3.6	4	3.2	3.6	60	50
ACDNR8040LPNV-220MT	22±20%	2.8	3.1	2.45	2.9	88	73
ACDNR8040LPNV-330MT	33±20%	2.1	2.6	2.1	2.3	120	100
ACDNR8040LPNV-470MT	47±20%	1.9	2.2	1.7	2	162	135
ACDNR8040LPNV-560MT	56±20%	1.6	1.9	1.6	1.75	192	160



# ACDNR8040LPNV SERIES

ACDNR8040LPNV-680MT	68±20%	1.5	1.75	1.5	1.65	246	205
ACDNR8040LPNV-820MT	82±20%	1.4	1.6	1.3	1.4	276	230
ACDNR8040LPNV-101MT	100±20%	1.2	1.45	1.1	1.2	360	300
ACDNR8040LPNV-121MT	120±20%	1.1	1.3	1	1.1	420	350
ACDNR8040LPNV-151MT	150±20%	1.03	1.2	0.9	0.98	492	410
ACDNR8040LPNV-181MT	180±20%	0.94	1.04	0.83	0.91	588	490
ACDNR8040LPNV-221MT	220±20%	0.9	0.99	0.76	0.85	732	610
ACDNR8040LPNV-331MT	330±20%	0.7	0.75	0.66	0.7	1020	850
ACDNR8040LPNV-471MT	470±20%	0.55	0.6	0.58	0.63	1560	1300

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. All test data referenced to 25°C ambient, Ls: 1MHz/1V**

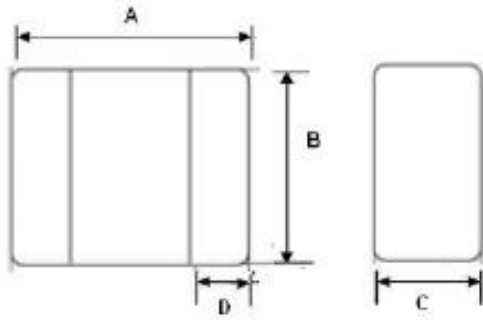
**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR252010WTV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>2.50</b>	<b>±0.20</b>
<b>B</b>	<b>2.20</b>	<b>±0.20</b>
<b>C</b>	<b>1.00</b>	<b>Max</b>
<b>D</b>	<b>0.50</b>	<b>±0.30</b>



## II.ELECTRICAL CHARACTERISTICS

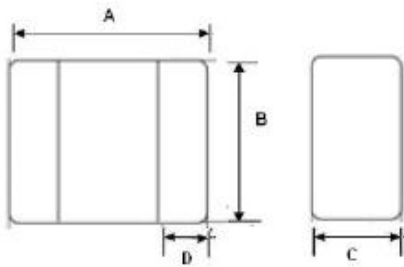
<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Test Freq. (Hz)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) @25°C Max</b>	<b>DCR (mΩ) @25°C Typ</b>
ACDMR252010WTV-4R7MT	4.7±20%	1M/1V	1.3	1.2	264	230

1. Comply with AEC-Q200
2. Operating Temp: -55~+125°C
3. Storage Temp: -55~+125°C (on board)
4. Saturation Rated Current: DC current(A) that will cause  $L_o$  to drop approximately 30%
5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C



# ACDMR252012WTV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>2.50</b>	<b>±0.20</b>
<b>B</b>	<b>2.00</b>	<b>±0.20</b>
<b>C</b>	<b>1.20</b>	<b>Max</b>
<b>D</b>	<b>0.55</b>	<b>±0.25</b>

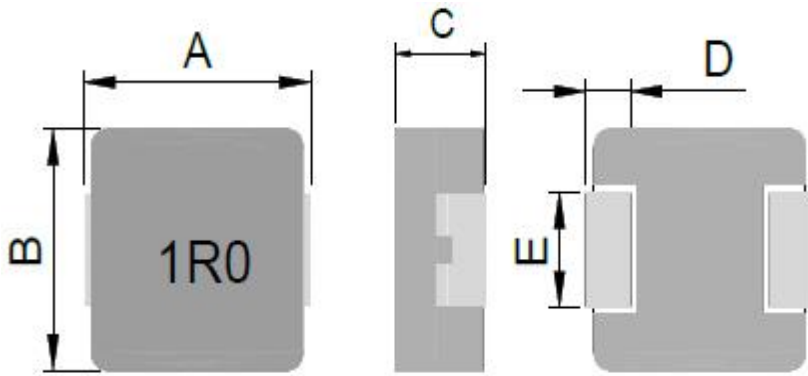


## II.ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Test Freq. (Hz)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) @25°C Max</b>	<b>DCR (mΩ) @25°C Typ</b>
ACDMR252012WTV-4R7MT	4.7±20%	1M/1V	1.8	1.8	210	175

1. Comply with AEC-Q200
2. Operating Temp: -40~+125°C
3. Storage Temp: -40~+125°C (on board)
4. Saturation Rated Current: DC current(A) that will cause  $L_o$  to drop approximately 30%
5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C

## I. MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.50	±0.30
B	3.20	±0.30
C	1.20	Max
D	0.70	±0.20
E	1.20	±0.20

## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) @25°C Max	DCR (mΩ) @25°C Typ
ACDMR0312TV-R47MT	0.47±20%	100K/1V	7.2	5	30	25
ACDMR0312TV-R56MT	0.56±20%	100K/1V	6.6	4.5	36	31
ACDMR0312TV-R68MT	0.68±20%	100K/1V	6.1	4	40	34
ACDMR0312TV-R82MT	0.82±20%	100K/1V	5.8	3.5	48	41
ACDMR0312TV-1R0MT	1.0±20%	100K/1V	5.5	3.3	60	50
ACDMR0312TV-1R5MT	1.5±20%	100K/1V	4	3	85	71
ACDMR0312TV-2R2MT	2.2±20%	100K/1V	3.4	2.7	115	98
ACDMR0312TV-3R3MT	3.3±20%	100K/1V	3.1	2	210	191
ACDMR0312TV-4R7MT	4.7±20%	100K/1V	2.8	1.6	293	266
ACDMR0312TV-5R6MT	5.6±20%	100K/1V	2.2	1.5	360	310
ACDMR0312TV-6R8MT	6.8±20%	100K/1V	2	1.4	400	360
ACDMR0312TV-8R2MT	8.2±20%	100K/1V	1.7	1.2	463	420
ACDMR0312TV-100MT	10±20%	100K/1V	1.4	1	550	498

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

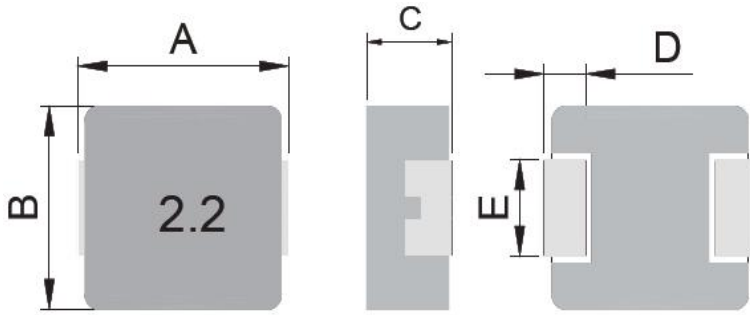
4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C



# ACDMR0315THV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.50	±0.40
B	3.20	±0.30
C	1.50	Max
D	0.70	±0.20
E	1.20	±0.20



## ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0315THV-R22MT	0.22±20%	100K/1V	10.8	7	17	14
ACDMR0315THV-R47MT	0.47±20%	100K/1V	8	5.5	28	23.3
ACDMR0315THV-R56MT	0.56±20%	100K/1V	7.2	5	33	28
ACDMR0315THV-R68MT	0.68±20%	100K/1V	6.5	4.5	42	34
ACDMR0315THV-1R0MT	1.0±20%	100K/1V	5.8	3.6	50	41
ACDMR0315THV-1R5MT	1.5±20%	100K/1V	4	3.4	77	64
ACDMR0315THV-2R2MT	2.2±20%	100K/1V	3.8	3.2	98	82
ACDMR0315THV-3R3MT	3.3±20%	100K/1V	3.2	2.5	205	170
ACDMR0315THV-4R7MT	4.7±20%	100K/1V	2.8	1.9	264	220
ACDMR0315THV-5R6MT	5.6±20%	100K/1V	2.3	1.7	318	265
ACDMR0315THV-6R8MT	6.8±20%	100K/1V	2	1.5	348	290
ACDMR0315THV-8R2MT	8.2±20%	100K/1V	1.8	1.3	468	390
ACDMR0315THV-100MT	10±20%	100K/1V	1.6	1.2	522	435

1. Comply with AEC-Q200

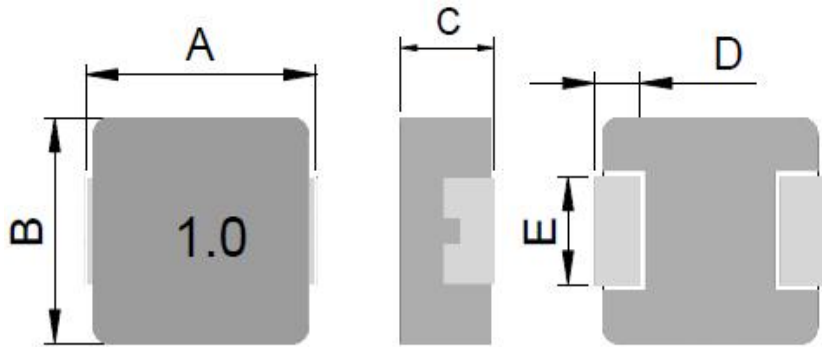
2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	3.50	± 0.3
B	3.20	± 0.3
C	2.00	Max
D	0.70	± 0.2
E	1.20	± 0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0320THV-R10YT	0.1±30%	100K/1V	14	10.5	9	6.6
ACDMR0320THV-R22YT	0.22±30%	100K/1V	11.2	9	14	11
ACDMR0320THV-R33MT	0.33±20%	100K/1V	10	8	21	17
ACDMR0320THV-R47MT	0.47±20%	100K/1V	9	7	23	19.7
ACDMR0320THV-R68MT	0.68±20%	100K/1V	7	5.5	29	25.5
ACDMR0320THV-R82MT	0.82±20%	100K/1V	6	4.8	32	27
ACDMR0320THV-1R0MT	1.0±20%	100K/1V	5	4	38	32
ACDMR0320THV-1R5MT	1.5±20%	100K/1V	4	3.8	50	42
ACDMR0320THV-2R2MT	2.2±20%	100K/1V	3.7	3.5	75	65
ACDMR0320THV-3R3MT	3.3±20%	100K/1V	3.5	3	145	125
ACDMR0320THV-4R7MT	4.7±20%	100K/1V	3	2.6	200	172
ACDMR0320THV-5R6MT	5.6±20%	100K/1V	2.6	2.2	238	205
ACDMR0320THV-6R8MT	6.8±20%	100K/1V	2.2	1.9	300	260
ACDMR0320THV-8R2MT	8.2±20%	100K/1V	1.9	1.6	390	340
ACDMR0320THV-100MT	10±20%	100K/1V	1.6	1.4	422	366

1.Comply with AEC-Q200

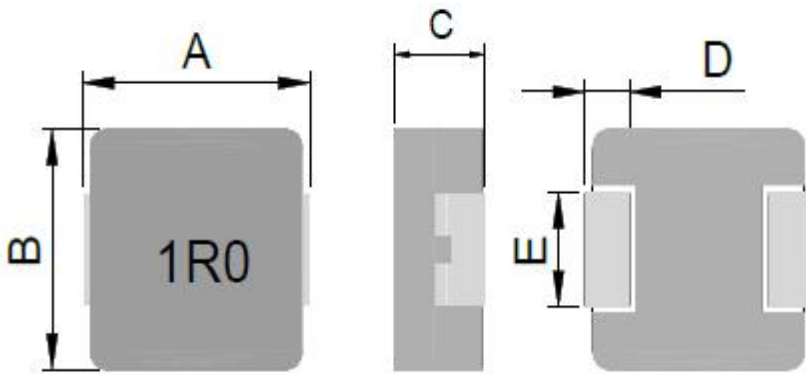
2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+125°C(on board)

4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>4.45</b>	<b>± 0.35</b>
<b>B</b>	<b>4.06</b>	<b>± 0.35</b>
<b>C</b>	<b>1.20</b>	<b>Max</b>
<b>D1</b>	<b>0.76</b>	<b>± 0.30</b>
<b>D2</b>	<b>2.00</b>	<b>± 0.20</b>



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0412THPV-R10YT	0.10±30%	100K/1V	25	11.5	5.5	4.3
ACDMR0412THPV-R15YT	0.15±30%	100K/1V	21.5	10	6.8	5.5
ACDMR0412THPV-R22MT	0.22±20%	100K/1V	20	8.5	8	6.6
ACDMR0412THPV-R33MT	0.33±20%	100K/1V	11	7	16	13.6
ACDMR0412THPV-R36MT	0.36±20%	100K/1V	8.5	6.5	18	15.5
ACDMR0412THPV-R47MT	0.47±20%	100K/1V	6.5	6	20	18
ACDMR0412THPV-R60MT	0.6±20%	100K/1V	6	5.3	26	22.5
ACDMR0412THPV-R68MT	0.68±20%	100K/1V	6	5	37	32
ACDMR0412THPV-1R0MT	1.0±20%	100K/1V	6	4	47	41
ACDMR0412THPV-1R2MT	1.2±20%	100K/1V	5	3.5	56	48
ACDMR0412THPV-1R5MT	1.5±20%	100K/1V	4	3	63.3	55
ACDMR0412THPV-2R2MT	2.2±20%	100K/1V	3.5	2.8	80	69.2
ACDMR0412THPV-3R3MT	3.3±20%	100K/1V	3	2.3	97	84



# ACDMR0412THPV SERIES

ACDMR0412THPV-4R7MT	4.7±20%	100K/1V	2.5	2	145	128
ACDMR0412THPV-5R6MT	5.6±20%	100K/1V	2.3	1.7	208	180
ACDMR0412THPV-6R8MT	6.8±20%	100K/1V	1.7	1.5	360	300
ACDMR0412THPV-8R2MT	8.2±20%	100K/1V	1.6	1.4	376	313
ACDMR0412THPV-100MT	10±20%	100K/1V	1.4	1.3	463	410
ACDMR0412THPV-220MT	22±20%	100K/1V	1	0.8	1050	950

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

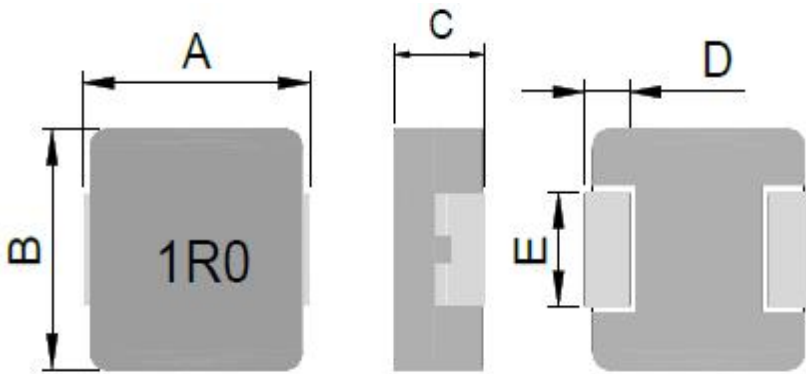
**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR0415THPV SERIES

## I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.45	± 0.35
B	4.06	± 0.35
C	1.50	Max
D1	0.76	± 0.30
D2	2.00	± 0.20



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0415THPV-R22MT	0.22±20%	100K/1V	20	10	7.8	6.5
ACDMR0415THPV-R47MT	0.47±20%	100K/1V	11	8	19	15
ACDMR0415THPV-R68MT	0.68±20%	100K/1V	8.5	6.5	21.5	19
ACDMR0415THPV-1R0MT	1.0±20%	100K/1V	7	5	40	34
ACDMR0415THPV-2R2MT	2.2±20%	100K/1V	4	3.2	72	63
ACDMR0415THPV-4R7MT	4.7±20%	100K/1V	2.8	2.2	140	120
ACDMR0415THPV-6R8MT	6.8±20%	100K/1V	2.3	1.7	276	230
ACDMR0415THPV-100MT	10±20%	100K/1V	1.9	1.5	400	345

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

3.Storage Temp:-55~+125°C(on board)

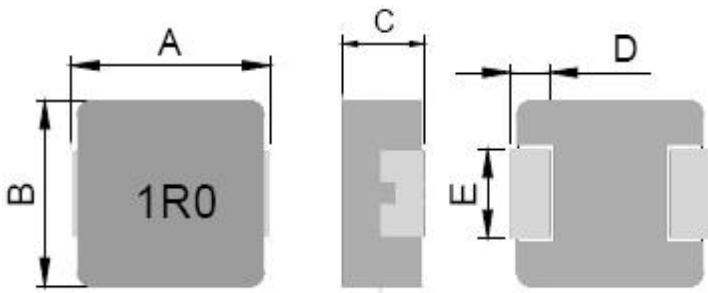
4.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C



# ACDMR0420THPV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	4.45	± 0.35
B	4.06	± 0.35
C	2.00	Max
D	0.76	±0.3
E	2.00	±0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0420THPV-R10YT	0.1±30%	100K/1V	35	14	4	3.2
ACDMR0420THPV-R18YT	0.18±30%	100K/1V	28	13.5	5.4	4.6
ACDMR0420THPV-R22YT	0.22±30%	100K/1V	24	13	7.3	6.6
ACDMR0420THPV-R33MT	0.33±20%	100K/1V	18	10	8.6	7.8
ACDMR0420THPV-R47MT	0.47±20%	100K/1V	12	8	14	11.2
ACDMR0420THPV-R56MT	0.56±20%	100K/1V	10	7.3	16	13.5
ACDMR0420THPV-R68MT	0.68±20%	100K/1V	10	7	19	16
ACDMR0420THPV-1R0MT	1.0±20%	100K/1V	8.5	5	27	22
ACDMR0420THPV-1R2MT	1.2±20%	100K/1V	7.8	4.8	30	25
ACDMR0420THPV-1R5MT	1.5±20%	100K/1V	7	4.5	42	34.8
ACDMR0420THPV-2R2MT	2.2±20%	100K/1V	6	4	61	51
ACDMR0420THPV-3R3MT	3.3±20%	100K/1V	4	3.5	76	69
ACDMR0420THPV-4R7MT	4.7±20%	100K/1V	3.5	2.6	105	95
ACDMR0420THPV-5R6MT	5.6±20%	100K/1V	3	2.2	125	112
ACDMR0420THPV-6R8MT	6.8±20%	100K/1V	2.8	2.1	172	150
ACDMR0420THPV-8R2MT	6.8±20%	100K/1V	2.5	2	180	158
ACDMR0420THPV-100MT	10±20%	100K/1V	2.3	1.8	243	215
ACDMR0420THPV-150MT	15±20%	100K/1V	1.9	1.5	374	325
ACDMR0420THPV-220MT	22±20%	100K/1V	1.4	1.2	500	470

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

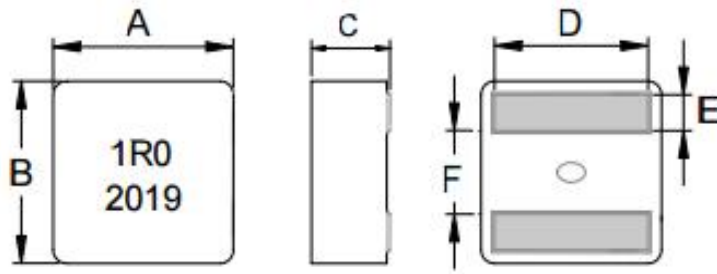
4. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C



# ACDMR0420TAV SERIES

## I.MECHANICAL DIMENSION



## DIMENSIONS (mm)

A	4.40	± 0.2
B	4.40	± 0.2
C	2.10	Max
D	3.40	±0.3
E	0.88	±0.2
F	1.60	±0.25

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0420TAV-R10MT	0.1±20%	100K/0.1V	38	18	2.42	2.2
ACDMR0420TAV-R22MT	0.22±20%	100K/0.1V	19.5	16.8	4.6	4.1
ACDMR0420TAV-R33MT	0.33±20%	100K/0.1V	18	15.5	5.5	5
ACDMR0420TAV-R36MT	0.36±20%	100K/0.1V	17	14.5	6.3	5.6
ACDMR0420TAV-R40MT	0.4±20%	100K/0.1V	15.5	14	7.73	6.9
ACDMR0420TAV-R47MT	0.47±20%	100K/0.1V	14.5	12.5	8.58	7.8
ACDMR0420TAV-R56MT	0.56±20%	100K/0.1V	14	12	9.3	8.4
ACDMR0420TAV-R60MT	0.6±20%	100K/0.1V	13.7	11.7	9.52	8.6
ACDMR0420TAV-R72MT	0.72±20%	100K/0.1V	12	10.5	11.6	10.4
ACDMR0420TAV-1R0MT	1±20%	100K/0.1V	9.6	9.6	14.6	13.3
ACDMR0420TAV-1R2MT	1.2±20%	100K/0.1V	9	9	17.9	16.2
ACDMR0420TAV-1R5MT	1.5±20%	100K/0.1V	8	7.6	23.5	21
ACDMR0420TAV-1R8MT	1.8±20%	100K/0.1V	7.5	7	28	25

1. Comply with AEC-Q200

2. Operating Temp: -55~+155°C

3. Storage Temp: -55~+155°C (on board)

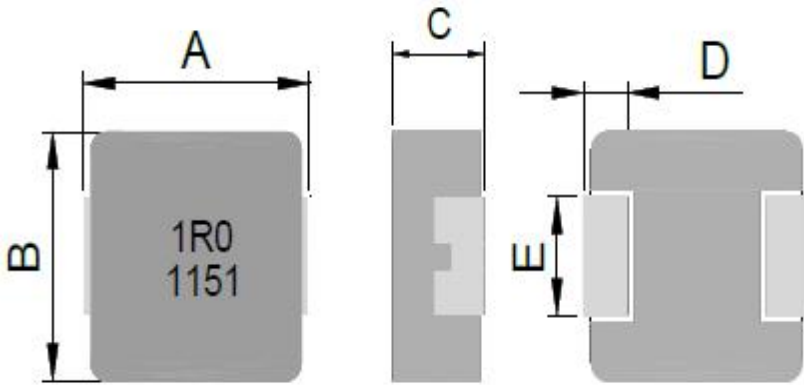
4. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

5. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C



# ACDMR0512THPV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	5.70	± 0.4
B	5.20	± 0.3
C	1.20	Max
D	1.10	± 0.3
E	2.50	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0512THPV-R10YT	0.10±30%	14.5	14	5.2	4.3
ACDMR0512THPV-R22MT	0.22±20%	14	10.7	6.7	5.5
ACDMR0512THPV-R33MT	0.33±20%	13.5	8.5	9.4	7.8
ACDMR0512THPV-R36MT	0.36±20%	13	8	11.5	10
ACDMR0512THPV-R47MT	0.47±20%	11	7	15.8	13.6
ACDMR0512THPV-R68MT	0.68±20%	9	6	24.5	21.5
ACDMR0512THPV-1R0MT	1.0±20%	6	5	30	26
ACDMR0512THPV-1R2MT	1.2±20%	5.5	4.5	40	33
ACDMR0512THPV-1R5MT	1.5±20%	5	4	44	38
ACDMR0512THPV-2R2MT	2.2±20%	4	3.5	75	65
ACDMR0512THPV-3R3MT	3.3±20%	3.8	3	86	75



# ACDMR0512THPV SERIES

ACDMR0512THPV-4R7MT	4.7±20%	3.2	2.5	115	100
ACDMR0512THPV-5R6MT	5.6±20%	3.2	2.4	201	175
ACDMR0512THPV-6R8MT	6.8±20%	3	2	222	193
ACDMR0512THPV-8R2MT	8.2±20%	2.8	1.7	378	327
ACDMR0512THPV-100MT	10±20%	1.8	1.5	385	335
ACDMR0512THPV-150MT	15±20%	1.6	1.3	470	410

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

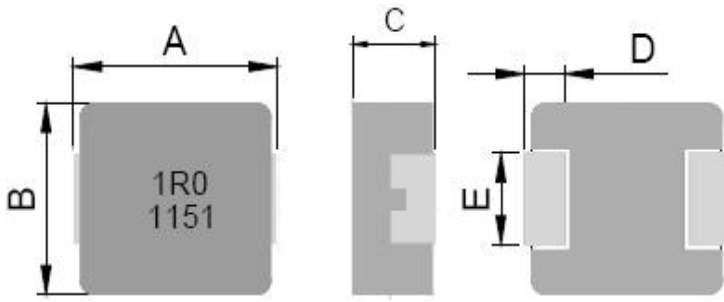
**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	5.70	± 0.4
B	5.20	± 0.3
C	1.50	Max
D	1.10	± 0.3
E	2.50	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0515THPV-R15YT	0.15±30%	100K/1V	25	16	4.1	3.6
ACDMR0515THPV-R20YT	0.2±30%	100K/1V	22.5	15	4.2	3.8
ACDMR0515THPV-R22YT	0.22±30%	100K/1V	20	12	6.5	5
ACDMR0515THPV-R33MT	0.33±20%	100K/1V	16	9	9.8	8.5
ACDMR0515THPV-R36MT	0.36±20%	100K/1V	15.5	8.5	12.5	10
ACDMR0515THPV-R47MT	0.47±20%	100K/1V	15	8	13.8	12
ACDMR0515THPV-R68MT	0.68±20%	100K/1V	13	7	16.2	14
ACDMR0515THPV-1R0MT	1.0±20%	100K/1V	9	6	25.3	22
ACDMR0515THPV-1R5MT	1.5±20%	100K/1V	7	4.5	45	39
ACDMR0515THPV-2R2MT	2.2±20%	100K/1V	6	4	52	45
ACDMR0515THPV-3R3MT	3.3±20%	100K/1V	4.5	3.2	90	78
ACDMR0515THPV-4R7MT	4.7±20%	100K/1V	4	2.7	118	103
ACDMR0515THPV-5R6MT	5.6±20%	100K/1V	3.2	2.4	152	126
ACDMR0515THPV-6R8MT	6.8±20%	100K/1V	3	2.3	171	142
ACDMR0515THPV-8R2MT	8.2±20%	100K/1V	2.6	2.1	210	175
ACDMR0515THPV-100MT	10±20%	100K/1V	2.3	2	235	210
ACDMR0515THPV-220MT	22±20%	100K/1V	1.7	1.2	466	405

1. Comply with AEC-Q200

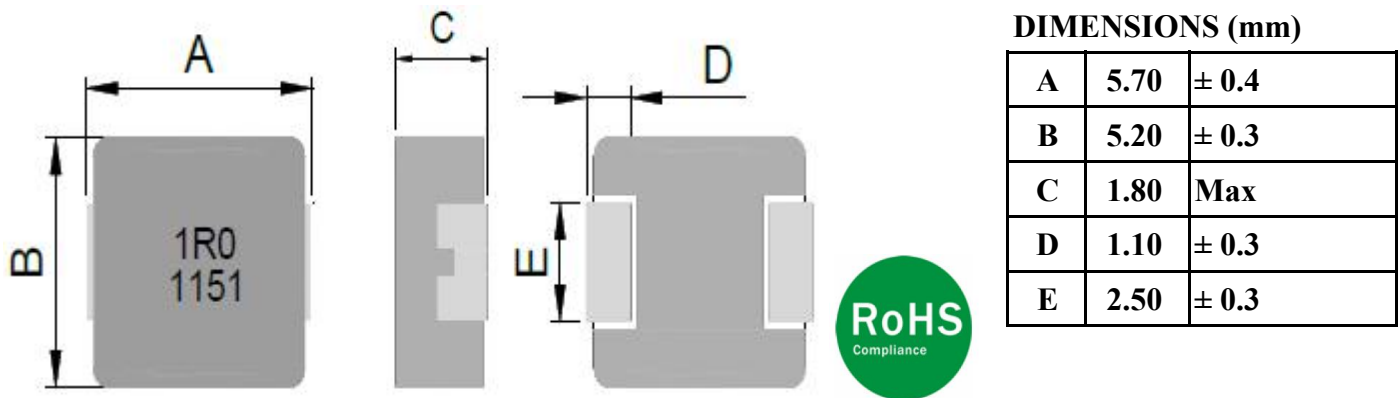
2. Operating Temp:-55~+125°C

3. Storage Temp:-55~+125°C(on board)

4. Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5. Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) @25°C Max	DCR (mΩ) @25°C Typ
ACDMR0518THPV-R22MT	0.22±20%	22	13	5	4.2
ACDMR0518THPV-R33MT	0.33±20%	15	11	8.6	7.5
ACDMR0518THPV-R47MT	0.47±20%	14	10	11.3	9.8
ACDMR0518THPV-R68MT	0.68±20%	13	9	14.3	12.4
ACDMR0518THPV-1R0MT	1.0±20%	10	6.8	21	18.2
ACDMR0518THPV-1R5MT	1.5±20%	9	6	30	26
ACDMR0518THPV-2R2MT	2.2±20%	7.5	4.5	48.3	42
ACDMR0518THPV-3R3MT	3.3±20%	5	3.5	69	60
ACDMR0518THPV-4R7MT	4.7±20%	4.5	3	98	85
ACDMR0518THPV-5R6MT	5.6±20%	4	2.5	127	110
ACDMR0518THPV-6R8MT	6.8±20%	3.5	2.4	137	118
ACDMR0518THPV-8R2MT	8.2±20%	3	2.3	165	143
ACDMR0518THPV-100MT	10±20%	2.8	2.3	190	165

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

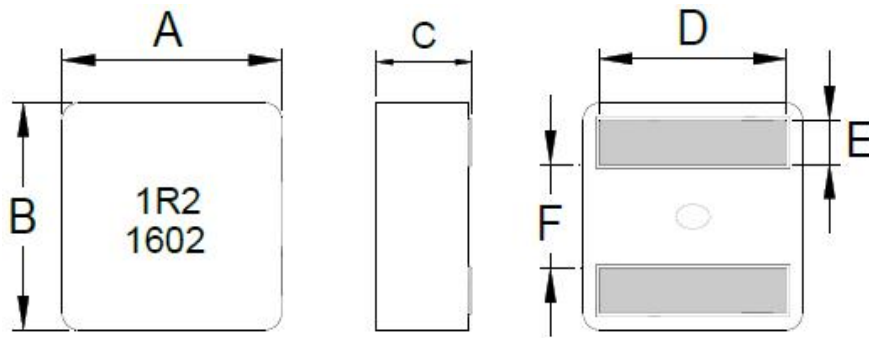
3. Storage Temp: -55~+125°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.50	± 0.3
B	5.30	± 0.3
C	2.10	Max
D	4.30	± 0.3
E	1.10	± 0.2
F	2.30	± 0.25

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) @20°C Typ	Irms (A) @40°C Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0520TAV-R15MT	0.15±20%	27	30	13.9	18.8	4.6	4
ACDMR0520TAV-R16MT	0.16±20%	27	30	13.9	18.8	4.6	4
ACDMR0520TAV-R33MT	0.33±20%	24	26	10.5	14.4	7	6.1
ACDMR0520TAV-R47MT	0.47±20%	20	22	10.1	14.1	8.05	7
ACDMR0520TAV-R56MT	0.56±20%	16	19	9.9	13.9	9.54	8.7
ACDMR0520TAV-R68MT	0.68±20%	14	16	9.6	13.4	10.2	8.9
ACDMR0520TAV-R80MT	0.8±20%	13.5	15.5	9.4	13	11.8	10.3
ACDMR0520TAV-R82MT	0.82±20%	13	15	8.5	12	12.7	11
ACDMR0520TAV-1R0MT	1.0±20%	12.8	14.5	7.5	10.5	13.8	12
ACDMR0520TAV-1R2MT	1.2±20%	12.2	14	6.8	9.4	16.3	14.2
ACDMR0520TAV-1R5MT	1.5±20%	11.7	13.3	6.4	8.8	18.7	16.2

1. Comply with AEC-Q200

2. Operating Temp: -55~+155°C

3. Storage Temp: -55~+155°C (on board)

4. Test frequency: L: 100KHz/0.1V

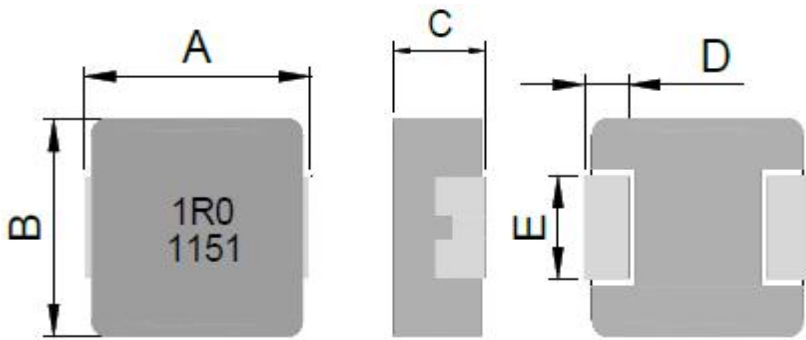
5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C



# ACDMR0520THPV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>5.70</b>	<b>± 0.4</b>
<b>B</b>	<b>5.20</b>	<b>± 0.3</b>
<b>C</b>	<b>2.00</b>	<b>Max</b>
<b>D</b>	<b>1.10</b>	<b>± 0.3</b>
<b>E</b>	<b>2.50</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Test Freq. (Hz)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) Max</b>	<b>DCR (mΩ) Typ</b>
ACDMR0520THPV-R10YT	0.1±30%	100K/1V	45	18	4	3.6
ACDMR0520THPV-R15YT	0.15±30%	100K/1V	27	16	4.6	3.8
ACDMR0520THPV-R22MT	0.22±20%	100K/1V	25	15	5.5	4
ACDMR0520THPV-R24MT	0.24±20%	100K/1V	23	13	7	6
ACDMR0520THPV-R33MT	0.33±20%	100K/1V	21.3	12	7.3	6.3
ACDMR0520THPV-R47MT	0.47±20%	100K/1V	18	11.5	8.6	7.3
ACDMR0520THPV-R68MT	0.68±20%	100K/1V	12.8	10	12.4	11
ACDMR0520THPV-1R0MT	1.0±20%	100K/1V	13.7	7	20	17.5
ACDMR0520THPV-1R2MT	1.2±20%	100K/1V	11	6.2	28	23
ACDMR0520THPV-1R5MT	1.5±20%	100K/1V	9.8	5.5	30.5	26.5
ACDMR0520THPV-2R2MT	2.2±20%	100K/1V	9	4.2	50	42



# ACDMR0520THPV SERIES

ACDMR0520THPV-3R3MT	3.3±20%	100K/1V	7.3	3.3	76	66
ACDMR0520THPV-4R7MT	4.7±20%	100K/1V	5	2.8	116	103
ACDMR0520THPV-5R6MT	5.6±20%	100K/1V	4	2.5	122	112
ACDMR0520THPV-6R8MT	6.8±20%	100K/1V	3.8	2.4	150	130
ACDMR0520THPV-8R2MT	8.2±20%	100K/1V	3.5	2.3	171	148
ACDMR0520THPV-100MT	10±20%	100K/1V	3.4	2.3	199	180
ACDMR0520THPV-150MT	15±20%	100K/1V	2.8	1.9	270	240
ACDMR0520THPV-220MT	22±20%	100K/1V	1.8	1.5	390	350

**1. Comply with AEC-Q200**

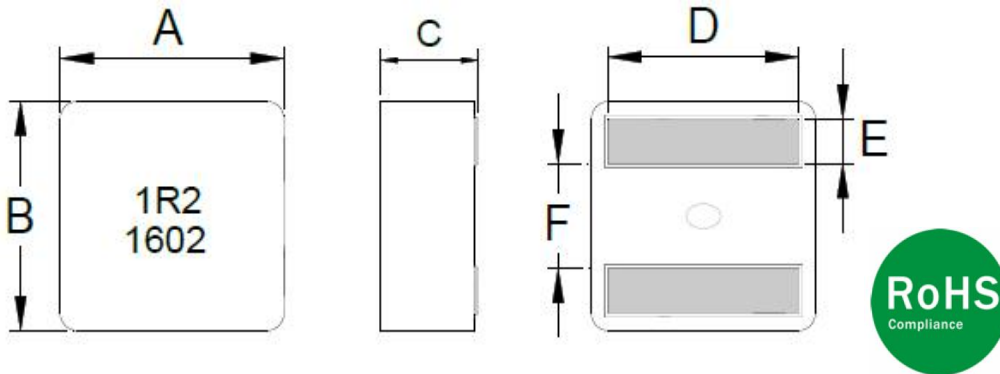
**2. Operating Temp: -55~+155°C**

**3. Storage Temp: -55~+155°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.00	± 0.3
B	5.70	± 0.3
C	3.10	Max
D	4.30	± 0.3
E	1.10	± 0.2
F	2.30	± 0.25

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) @20°C Typ	Irms (A) @40°C Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0530TBV-R15MT	0.15±20%	-	36	14.3	22.2	2.31	2.1
ACDMR0530TBV-R16MT	0.16±20%	-	35	14.2	22.2	2.33	2.12
ACDMR0530TBV-R33MT	0.33±20%	-	28	13.8	19.2	3.52	3.2
ACDMR0530TBV-R47MT	0.47±20%	-	26	13.7	18.4	4.13	3.75
ACDMR0530TBV-R56MT	0.56±20%	-	22.2	13.6	17.7	4.52	4.05
ACDMR0530TBV-R60MT	0.6±20%	-	22	13.6	17.7	4.52	4.11
ACDMR0530TBV-R80MT	0.8±20%	-	20	10.1	13.1	5.65	5.14
ACDMR0530TBV-R82MT	0.82±20%	-	19.7	9.9	12.9	5.78	5.25
ACDMR0530TBV-1R0MT	1.0±20%	-	16.5	9	12.2	7.6	6.9
ACDMR0530TBV-1R2MT	1.2±20%	-	15	8.5	11	9.7	8.8
ACDMR0530TBV-1R5MT	1.5±20%	-	14	8	10.5	11.2	10.1
ACDMR0530TBV-1R8MT	1.8±20%	-	12.3	7.6	10.1	12.7	11.5
ACDMR0530TBV-2R2MT	2.2±20%	-	10	7.2	9.7	14.5	13.2
ACDMR0530TBV-3R3MT	3.3±20%	-	9.5	5.9	8.1	23.1	21
ACDMR0530TBV-4R7MT	4.7±20%	-	8.2	4.3	5.9	36.3	33

1. Comply with AEC-Q200

2. Operating Temp: -55~+155°C

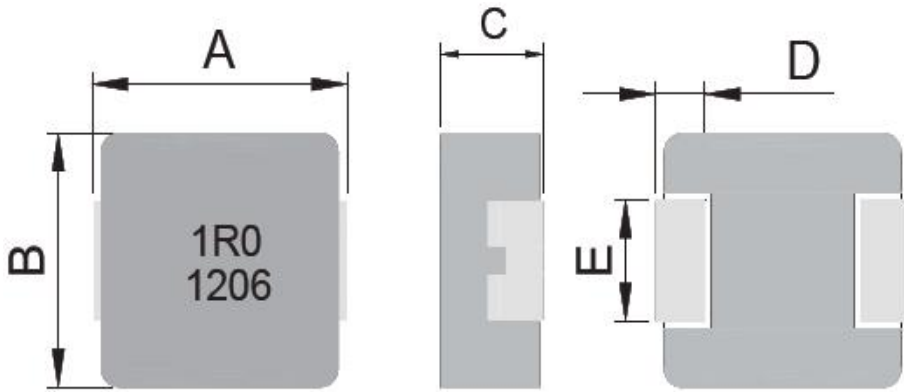
3. Storage Temp: -55~+155°C (on board)

4. Test frequency: L: 100KHz/0.1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	5.70	± 0.4
B	5.20	± 0.3
C	3.00	Max
D	1.10	± 0.3
E	2.50	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0530TBPV-R10YT	0.1±30%	100K/1V	40	24	2.6	2.2
ACDMR0530TBPV-R15YT	0.15±30%	100K/1V	37	22	3	2.5
ACDMR0530TBPV-R20YT	0.2±30%	100K/1V	34	20	3.2	2.7
ACDMR0530TBPV-R22MT	0.22±20%	100K/1V	32	19	3.8	3.2
ACDMR0530TBPV-R33MT	0.33±20%	100K/1V	20	15	5	4.3
ACDMR0530TBPV-R47MT	0.47±20%	100K/1V	18	13	7.1	6.3
ACDMR0530TBPV-R56MT	0.56±20%	100K/1V	17	12	8.6	7.8
ACDMR0530THPV-R68MT	0.68±20%	100K/1V	15.5	11	9	8
ACDMR0530THPV-R82MT	0.82±20%	100K/1V	14	10	10	8.8
ACDMR0530THPV-1R0MT	1.0±20%	100K/1V	13	9	12.7	11
ACDMR0530THPV-1R2MT	1.2±20%	100K/1V	12	8.5	15	13
ACDMR0530THPV-1R5MT	1.5±20%	100K/1V	11.5	8	16.6	14.4
ACDMR0530THPV-2R2MT	2.2±20%	100K/1V	11	7	29.2	26



# ACDMR0530TBPV SERIES

ACDMR0530TBPV-3R3MT	3.3±20%	100K/1V	9	6	38	33
ACDMR0530TBPV-4R7MT	4.7±20%	100K/1V	8	5.5	53	48
ACDMR0530TBPV-5R6MT	5.6±20%	100K/1V	7.3	4.7	62	54
ACDMR0530TBPV-6R8MT	6.8±20%	100K/1V	6	4.2	76.2	68
ACDMR0530TBPV-8R2MT	8.2±20%	100K/1V	5	3.8	97	85
ACDMR0530TBPV-100MT	10±20%	100K/1V	4	3.5	120	104
ACDMR0530TBPV-150MT	15±20%	100K/1V	3.2	2.7	190	165
ACDMR0530TBPV-220MT	22±20%	100K/1V	2.7	2.2	250	217

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

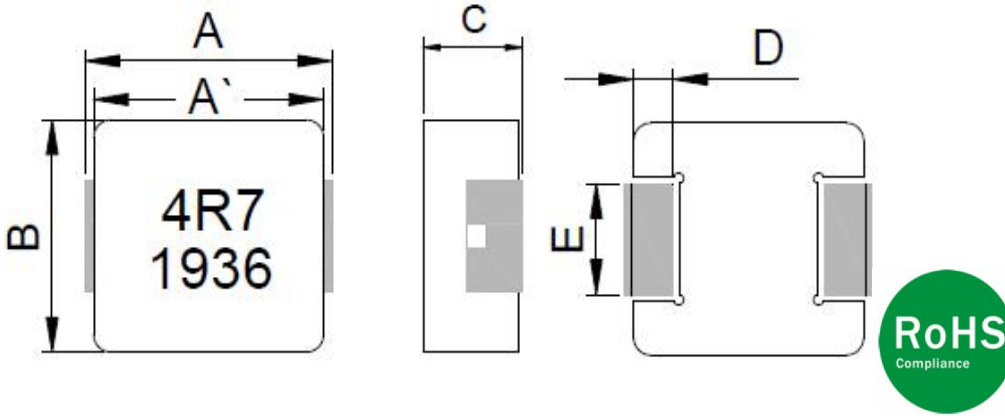
**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	5.70	± 0.4
A'	5.20	± 0.4
B	5.20	± 0.3
C	3.00	Max
D	1.00	± 0.3
E	2.00	± 0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0530TSV-R47MT	0.47±20%	9	10	12	13.5	6	5.2
ACDMR0530TSV-R68MT	0.68±20%	8	9	11	12.5	8.5	7.4
ACDMR0530TSV-R82MT	0.82±20%	7.7	8.8	9	10	9.2	8
ACDMR0530TSV-1R0MT	1.0±20%	7.5	8.5	8	9	12	10.5
ACDMR0530TSV-1R5MT	1.5±20%	-	7.5	-	8	15.7	13.6
ACDMR0530TSV-3R3MT	3.3±20%	5.3	6	5.8	6.3	33	28
ACDMR0530TSV-4R7MT	4.7±20%	4.6	5.3	4.8	5.5	44	38
ACDMR0530TSV-5R6MT	5.6±20%	-	4.6	-	5	58	50
ACDMR0530TSV-6R8MT	6.8±20%	-	3.5	-	4.3	66	57
ACDMR0530TSV-100MT	10±20%	-	2.5	-	3.8	103	88

1. Comply with AEC-Q200

2. Operating Temp: -55~+155°C

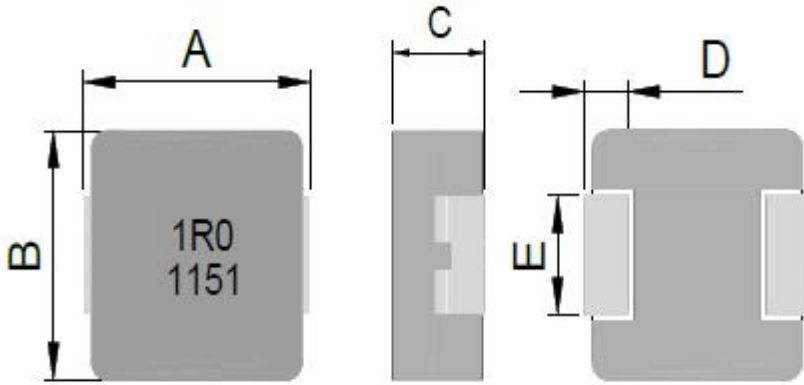
3. Storage Temp: -55~+155°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.00	± 0.4
B	6.60	± 0.4
C	1.20	Max
D	1.80	± 0.3
E	2.50	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0612THV-R15YT	0.15±30%	24	14	5.7	4.9
ACDMR0612THV-R22YT	0.22±30%	19	11	7.5	6.5
ACDMR0612THV-R33MT	0.33±20%	16	9.5	10	9
ACDMR0612THV-R47MT	0.47±20%	12	8.5	17	13
ACDMR0612THV-R68MT	0.68±20%	9	7	19	17
ACDMR0612THV-1R0MT	1.0±20%	7	6	30	27
ACDMR0612THV-1R2MT	1.2±20%	6.8	5	36	31
ACDMR0612THV-1R5MT	1.5±20%	6.5	4.5	40	35
ACDMR0612THV-2R2MT	2.2±20%	5	4	61	53
ACDMR0612THV-3R3MT	3.3±20%	4	3.2	103	90
ACDMR0612THV-4R7MT	4.7±20%	3.8	2.5	150	130
ACDMR0612THV-6R8MT	6.8±20%	3	2.1	198	172
ACDMR0612THV-100MT	10±20%	2.5	1.8	290	280
ACDMR0612THV-220MT	22±20%	1.7	1.2	600	540

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

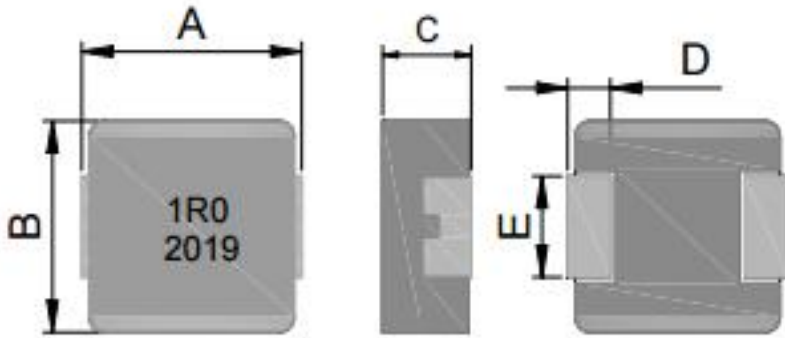
3. Storage Temp: -55~+125°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>7.00</b>	<b>± 0.4</b>
<b>B</b>	<b>6.60</b>	<b>± 0.4</b>
<b>C</b>	<b>2.00</b>	<b>Max</b>
<b>D</b>	<b>1.80</b>	<b>± 0.3</b>
<b>E</b>	<b>3.00</b>	<b>± 0.3</b>



## II.ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) Max</b>	<b>DCR (mΩ) Typ</b>
ACDMR0620THV-R10YT	0.1±30%	40	21	2.4	2
ACDMR0620THV-R15YT	0.15±30%	39	18	2.7	2.3
ACDMR0620THV-R22YT	0.22±30%	32	15	4	3.5
ACDMR0620THV-R33MT	0.33±20%	25	14	5	4.5
ACDMR0620THV-R47MT	0.47±20%	20	11.7	8.3	7.1
ACDMR0620THV-R56MT	0.56±20%	18	11	9.3	7.9
ACDMR0620THV-R68MT	0.68±20%	16	10.5	10	8.3
ACDMR0620THV-1R0MT	1±20%	14	8	18	16.5
ACDMR0620THV-1R5MT	1.5±20%	12	7	27	23
ACDMR0620THV-2R2MT	2.2±20%	10	6	37	32
ACDMR0620THV-3R3MT	3.3±20%	8	5	48	43
ACDMR0620THV-4R7MT	4.7±20%	7	4.5	60	53
ACDMR0620THV-5R6MT	5.6±20%	6	4	68	59



## ACDMR0620THV SERIES

ACDMR0620THV-6R8MT	6.8±20%	5.5	4	73	63
ACDMR0620THV-8R2MT	8.2±20%	5	3.2	116	101
ACDMR0620THV-100MT	10±20%	4	2.8	154	134
ACDMR0620THV-150MT	15±20%	3.3	2.1	210	190
ACDMR0620THV-220MT	22±20%	2.5	1.5	280	236

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

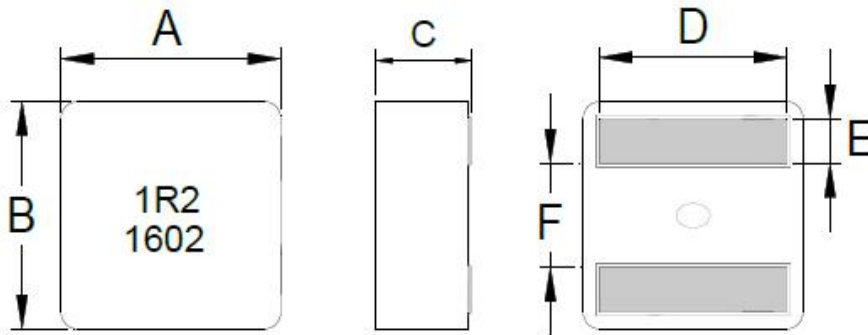
**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR0630TAV SERIES

## I. MECHANICAL DIMENSION



DIMENSIONS (mm)

A	6.60	± 0.3
B	6.40	± 0.3
C	3.00	Max
	3.10	
D	See Spec Table	
E	1.40	± 0.2
F	2.60	± 0.25



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) @20°C Typ	Irms (A) @40°C Typ	DCR (mΩ) Max.	DCR (mΩ) Typ.	D (mm) ±0.3
ACDMR0630TAV-R18MT	0.18±20%	36	40	24	32	1.75	1.6	5.3
ACDMR0630TAV-R33MT	0.33±20%	28	32	20	25	2.5	2.25	5.55
ACDMR0630TAV-R56MT	0.56±20%	25	29	17	22	3.31	3	5.3
ACDMR0630TAV-1R0MT	1.0±20%	18	23	13	18	6.05	5.5	5.2
ACDMR0630TAV-1R2MT	1.2±20%	16	22	12	16	7.4	6.7	5.15
ACDMR0630TAV-1R8MT	1.8±20%	13	18.2	10	14	10.2	9.2	5.1
ACDMR0630TAV-2R2MT	2.2±20%	11	15.9	7	10	12.2	11	5.05
ACDMR0630TAV-3R3MT	3.3±20%	9	12.2	6	8	20.8	18.8	5
ACDMR0630TAV-4R5MT	4.5±20%	8	10	5	7	25.3	23	5

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

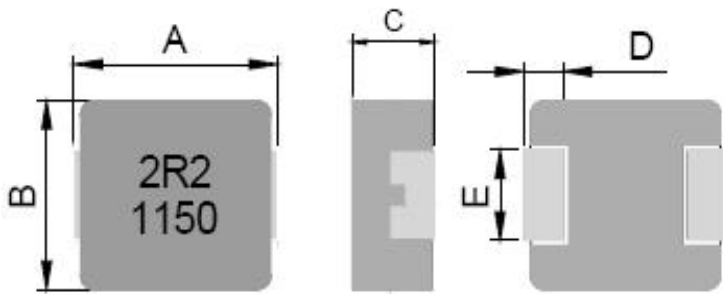
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/0.1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.30	± 0.4
B	6.60	± 0.4
C	3.00	Max
D	1.80	± 0.3
E	3.00	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0630THV-R10YT	0.1±30%	100K/1V	60	32.5	1.7	1.2
ACDMR0630THV-R15YT	0.15±30%	100K/1V	45	27	1.9	1.5
ACDMR0630THV-R16YT	0.16±30%	100K/1V	45	27	1.9	1.5
ACDMR0630THV-R20YT	0.2±30%	100K/1V	41	24	2.5	1.8
ACDMR0630THV-R22YT	0.22±30%	100K/1V	40	23	2.8	2.1
ACDMR0630THV-R30MT	0.3±20%	100K/1V	35	21	3.8	3.2
ACDMR0630THV-R33MT	0.33±20%	100K/1V	32	20	3.9	3.5
ACDMR0630THV-R36MT	0.36±20%	100K/1V	32	19	4.2	3.6
ACDMR0630THV-R47MT	0.47±20%	100K/1V	26	17.5	4.2	4
ACDMR0630THV-R56MT	0.56±20%	100K/1V	25.5	16.5	5	4.7
ACDMR0630THV-R60MT	0.60±20%	100K/1V	25.5	16	5.2	4.7
ACDMR0630THV-R68MT	0.68±20%	100K/1V	25	15.5	5.5	4.8
ACDMR0630THV-R75MT	0.75±20%	100K/1V	24.5	14.5	6.6	5.5
ACDMR0630THV-R82MT	0.82±20%	100K/1V	24	13	8	6.7
ACDMR0630THV-1R0MT	1.0±20%	100K/1V	22	11	10	8.3



# ACDMR0630THV SERIES

ACDMR0630THV-1R2MT	1.2±20%	100K/1V	20	10	12	10
ACDMR0630THV-1R5MT	1.5±20%	100K/1V	18	9	15	13
ACDMR0630THV-1R8MT	1.8±20%	100K/1V	16	8.5	17	14
ACDMR0630THV-2R0MT	2.0±20%	100K/1V	15	8.2	19	16
ACDMR0630THV-2R2MT	2.2±20%	100K/1V	14	8	20	18
ACDMR0630THV-2R5MT	2.5±20%	100K/1V	13	7	22	20
ACDMR0630THV-3R3MT	3.3±20%	100K/1V	13.5	6	30	28
ACDMR0630THV-4R7MT	4.7±20%	100K/1V	10	5.5	40	37
ACDMR0630THV-5R6MT	5.6±20%	100K/1V	9	5	48	43
ACDMR0630THV-6R8MT	6.8±20%	100K/1V	8	4.5	60	54
ACDMR0630THV-8R2MT	8.2±20%	100K/1V	7.5	4	68	64
ACDMR0630THV-100MT	10±20%	100K/1V	6	3.5	85	75
ACDMR0630THV-120MT	12±20%	100K/1V	5.5	3.3	93	81
ACDMR0630THV-220MT	22±20%	100K/1V	3.5	2	190	165
ACDMR0630THV-330MT	33±20%	100K/1V	2.5	2	240	200
ACDMR0630THV-470MT	47±20%	100K/1V	2	1.75	363	302

**1. Comply with AEC-Q200**

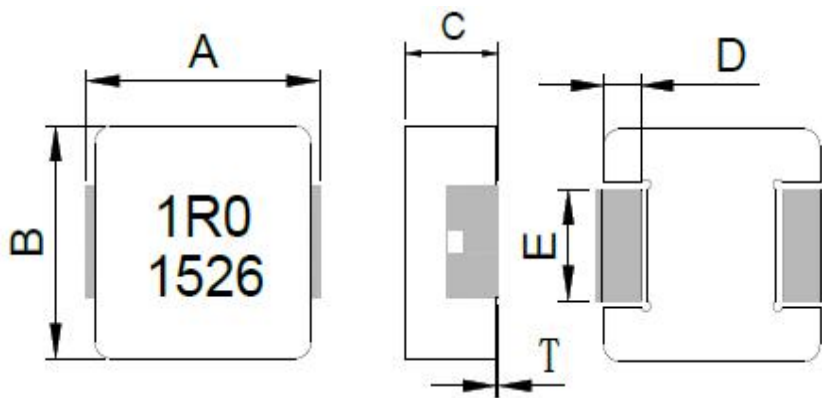
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.10	± 0.4
B	6.60	± 0.3
C	3.00	Max
D	1.60	± 0.3
E	3.00	± 0.2
T	0~0.15	



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0630TSV-R15YT	0.15±30%	40	30	2.1	1.7
ACDMR0630TSV-R22MT	0.22±20%	34	23	2.5	2
ACDMR0630TSV-R33MT	0.33±20%	25	21	3.4	2.8
ACDMR0630TSV-R36MT	0.36±20%	24	20	3.9	3.3
ACDMR0630TSV-R47MT	0.47±20%	20	18	4	3.4
ACDMR0630TSV-R56MT	0.56±20%	18	16.5	4.5	3.9
ACDMR0630TSV-R68MT	0.68±20%	17	16	5.3	4.7
ACDMR0630TSV-R82MT	0.82±20%	16	14	6	5.4
ACDMR0630TSV-1R0MT	1.0±20%	15	12	7.4	6.7
ACDMR0630TSV-1R2MT	1.2±20%	14	10	9.5	7.7
ACDMR0630TSV-1R5MT	1.5±20%	14	10	12.1	10.2
ACDMR0630TSV-2R2MT	2.2±20%	10	8	15	13.5



# ACDMR0630TSV SERIES

ACDMR0630TSV-3R3MT	3.3±20%	9.5	6.5	22	19
ACDMR0630TSV-4R7MT	4.7±20%	6.5	5.5	33	28
ACDMR0630TSV-5R6MT	5.6±20%	6	5.5	42	39
ACDMR0630TSV-6R8MT	6.8±20%	6	4.5	50	43
ACDMR0630TSV-8R2MT	8.2±20%	6	4.5	60	54
ACDMR0630TSV-100MT	10±20%	5.5	4	68	62
ACDMR0630TSV-150MT	15±20%	4.5	3	140	110
ACDMR0630TSV-220MT	22±20%	3	2.5	190	150

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+150°C**

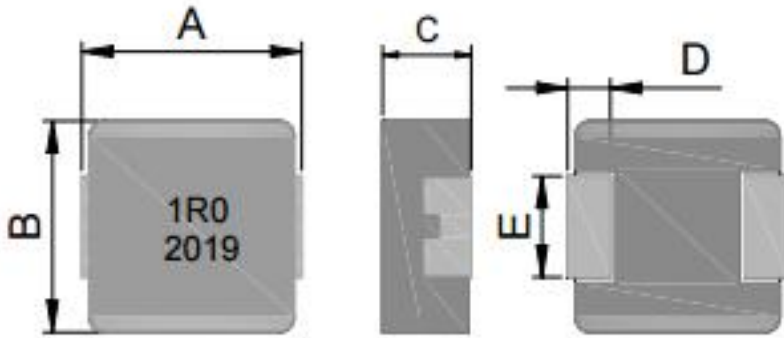
**3. Storage Temp: -55~+150°C (on board)**

**4. Test frequency: Ls: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>7.30</b>	<b>± 0.4</b>
<b>B</b>	<b>6.60</b>	<b>± 0.4</b>
<b>C</b>	<b>4.00</b>	<b>Max</b>
<b>D</b>	<b>1.80</b>	<b>± 0.3</b>
<b>E</b>	<b>3.00</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) Max</b>	<b>DCR (mΩ) Typ</b>
ACDMR0640THV-R12YT	0.12±30%	64	32	1	0.7
ACDMR0640THV-R15YT	0.15±30%	55	30	1.2	0.9
ACDMR0640THV-R47MT	0.47±20%	28	23	3.4	3
ACDMR0640THV-R56MT	0.56±20%	26	20	4.3	3.8
ACDMR0640THV-R68MT	0.68±20%	24	16	4.5	4.1
ACDMR0640THV-1R0MT	1±20%	22	14	8	6.8
ACDMR0640THV-1R5MT	1.5±20%	20	12	12	10
ACDMR0640THV-2R2MT	2.2±20%	14	9	14	11.5
ACDMR0640THV-4R7MT	4.7±20%	11	6	32.5	28
ACDMR0640THV-5R6MT	5.6±20%	9	5	38	33
ACDMR0640THV-6R8MT	6.8±20%	8.5	4.5	50	44
ACDMR0640THV-8R2MT	8.2±20%	8	4.5	64	55



## ACDMR0640THV SERIES

ACDMR0640THV-100MT	10±20%	7	4	72	64
ACDMR0640THV-150MT	15±20%	3.5	3	90	80
ACDMR0640THV-220MT	22±20%	3.5	2.5	145	120
ACDMR0640THV-330MT	33±20%	3.2	1.8	210	180

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

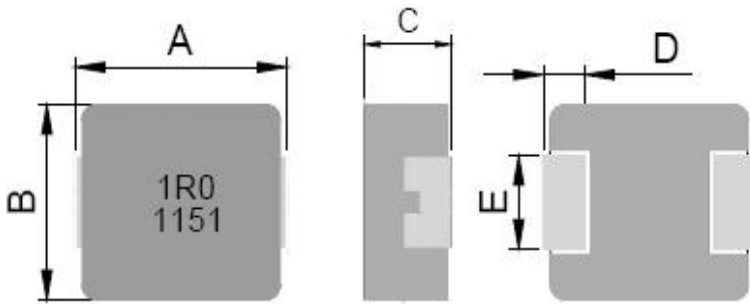
**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.30	± 0.4
B	6.60	± 0.4
C	5.00	Max
D	1.80	± 0.3
E	3.00	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0650THV-R33MT	0.33±20%	100K/1V	32	25	3	2.5
ACDMR0650THV-R40MT	0.4±20%	100K/1V	31	23	3.7	3.1
ACDMR0650THV-R47MT	0.47±20%	100K/1V	30	22	3.9	3.5
ACDMR0650THV-R56MT	0.56±20%	100K/1V	27	20	4.2	3.6
ACDMR0650THV-R60MT	0.6±20%	100K/1V	25	19	4.3	3.8
ACDMR0650THV-R68MT	0.68±20%	100K/1V	24	18	4.5	4
ACDMR0650THV-R82MT	0.82±20%	100K/1V	22	15	4.9	4.6
ACDMR0650THV-1R0MT	1.0±20%	100K/1V	20	15	6.5	6.1
ACDMR0650THV-1R2MT	1.2±20%	100K/1V	18	14	7.5	6.7
ACDMR0650THV-1R5MT	1.5±20%	100K/1V	16.5	12	9	8.6
ACDMR0650THV-1R8MT	1.8±20%	100K/1V	15	12	11	9.5
ACDMR0650THV-2R2MT	2.2±20%	100K/1V	14	10	12	11.2
ACDMR0650THV-3R3MT	3.3±20%	100K/1V	12	8	20.9	19
ACDMR0650THV-4R7MT	4.7±20%	100K/1V	10	6.5	30.8	28



# ACDMR0650THV SERIES

ACDMR0650THV-5R6MT	5.6±20%	100K/1V	9	6	49	43.5
ACDMR0650THV-6R8MT	6.8±20%	100K/1V	8.5	5.5	51.5	46
ACDMR0650THV-8R2MT	8.2±20%	100K/1V	8	5	63	56
ACDMR0650THV-100MT	10±20%	100K/1V	7.5	4	69	60
ACDMR0650THV-150MT	15±20%	100K/1V	6	3.5	92	81
ACDMR0650THV-220MT	22±20%	100K/1V	5.5	2.5	170	140
ACDMR0650THV-330MT	33±20%	100K/1V	3.5	2	200	173
ACDMR0650THV-470MT	47±20%	100K/1V	2.7	1.9	330	290
ACDMR0650THV-560MT	56±20%	100K/1V	2.1	1.6	396	342
ACDMR0650THV-680MT	68±20%	100K/1V	2	1.2	445	386

**1. Comply with AEC-Q200**

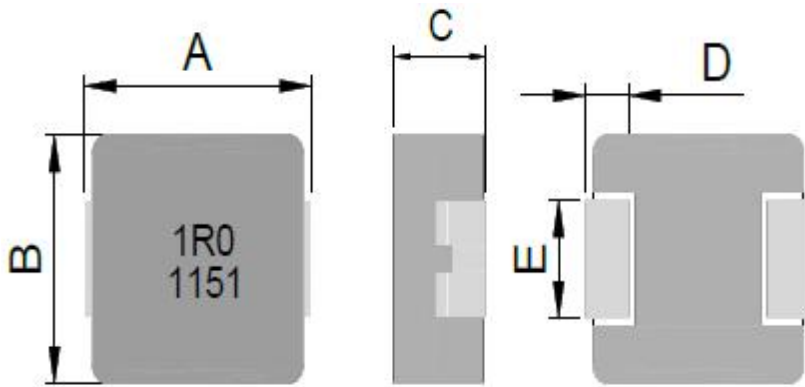
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>7.00</b>	<b>± 0.4</b>
<b>B</b>	<b>6.60</b>	<b>± 0.4</b>
<b>C</b>	<b>1.50</b>	<b>Max</b>
<b>D</b>	<b>1.80</b>	<b>± 0.3</b>
<b>E</b>	<b>3.00</b>	<b>± 0.3</b>



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0715TV-R10YT	0.1±30%	35	17.5	3.1	2.5
ACDMR0715TV-R12YT	0.12±30%	30	17	3.6	3
ACDMR0715TV-R15YT	0.15±30%	25	16	4.5	3.7
ACDMR0715TV-R20YT	0.2±30%	24	14.5	4.6	3.9
ACDMR0715TV-R22YT	0.22±30%	22	14	5.2	4.3
ACDMR0715TV-R33MT	0.33±20%	18	11	7.6	6.6
ACDMR0715TV-R47MT	0.47±20%	16	9.5	10.3	9
ACDMR0715TV-R56MT	0.56±20%	15.5	9	14	12.5
ACDMR0715TV-R68MT	0.68±20%	15	7.5	15.2	13.8
ACDMR0715TV-R82MT	0.82±20%	14	7	24	20
ACDMR0715TV-1R0MT	1.0±20%	12	6.5	25.8	23
ACDMR0715TV-1R2MT	1.2±20%	10.5	5.6	34	29
ACDMR0715TV-1R5MT	1.5±20%	9.5	5	42.5	37



## ACDMR0715TV SERIES

ACDMR0715TV-2R2MT	2.2±20%	6.5	4.5	55	48
ACDMR0715TV-3R3MT	3.3±20%	6	4.2	74	62
ACDMR0715TV-4R7MT	4.7±20%	5	3.8	111	96
ACDMR0715TV-5R6MT	5.6±20%	4.5	3	138	115
ACDMR0715TV-6R8MT	6.8±20%	3.5	2.6	148	128
ACDMR0715TV-8R2MT	8.2±20%	3.2	2.4	184	153
ACDMR0715TV-100MT	10±20%	2.8	2.3	216	180
ACDMR0715TV-220MT	22±20%	2.5	1.5	504	420

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

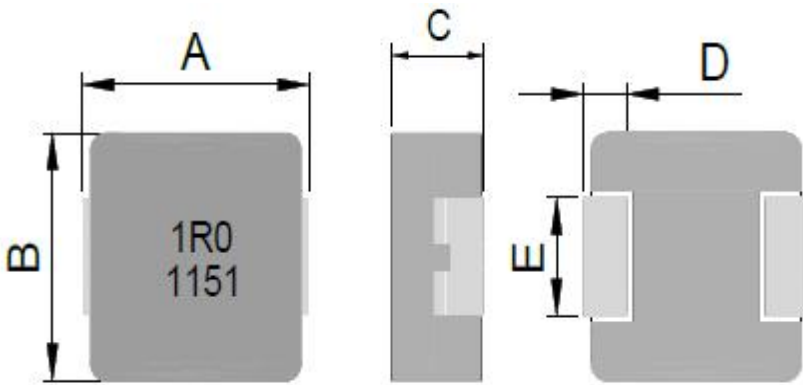
**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



DIMENSIONS (mm)

A	7.00	± 0.4
B	6.60	± 0.4
C	1.80	Max
D	1.80	± 0.3
E	3.00	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0718TV-R10MT	0.1±20%	45	18	2.5	2.1
ACDMR0718TV-R22MT	0.22±20%	26	16	3	2.5
ACDMR0718TV-R33MT	0.33±20%	22	14	5.8	4.8
ACDMR0718TV-R47MT	0.47±20%	18	12	7.4	6.4
ACDMR0718TV-R68MT	0.68±20%	17	10	11	9.5
ACDMR0718TV-R82MT	0.82±20%	15.5	8.5	14	11.5
ACDMR0718TV-1R0MT	1.0±20%	14	7	17	14.5
ACDMR0718TV-1R5MT	1.5±20%	13	6	25.2	21
ACDMR0718TV-2R2MT	2.2±20%	11	6	35	31
ACDMR0718TV-3R3MT	3.3±20%	9	5	46	40
ACDMR0718TV-4R7MT	4.7±20%	7	4	76	68
ACDMR0718TV-5R6MT	5.6±20%	6	3.5	86	78
ACDMR0718TV-6R8MT	6.8±20%	5.5	3	104	93
ACDMR0718TV-8R2MT	8.2±20%	4.5	2.6	140	123
ACDMR0718TV-100MT	10±20%	3.5	2.3	160	143

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

3. Storage Temp: -55~+125°C (on board)

4. Test frequency: L: 100KHz/1V

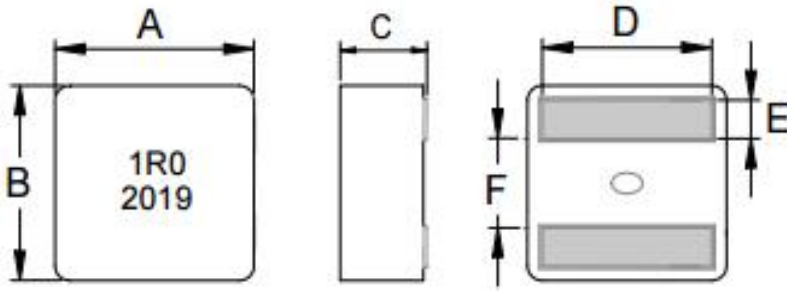
5. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C



# ACDMR0720TBV SERIES

## I. MECHANICAL DIMENSION



DIMENSIONS (mm)

A	8.40	± 0.4
B	8.00	± 0.4
C	2.05	Max
D	See Spec Table	
E	1.75	± 0.2
F	3.15	± 0.25



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) @20°C Typ	Irms (A) @40°C Typ	DCR (mΩ) Max	DCR (mΩ) Typ	D (mm) ± 0.3
ACDMR0720TBV-R15MT	0.15±20%	51	18	24	2.5	1.9	6.6
ACDMR0720TBV-R27MT	0.27±20%	35	16	21	3.5	2.9	6.6
ACDMR0720TBV-R31MT	0.31±20%	34	14	20	4.8	4	6.2
ACDMR0720TBV-R33MT	0.33±20%	34	13	19	4.8	4	6.2
ACDMR0720TBV-R47MT	0.47±20%	28	12	17	6.2	5.1	6.2
ACDMR0720TBV-R68MT	0.68±20%	25	10	13	9.2	7.9	6.2
ACDMR0720TBV-1R0MT	1.0±20%	23	8	11	10.8	9.8	6.2
ACDMR0720TBV-1R2MT	1.2±20%	21	7	10	12.8	11.5	6.2
ACDMR0720TBV-1R5MT	1.5±20%	17	6	9	17.6	16	6.2
ACDMR0720TBV-1R8MT	1.8±20%	15	5.5	8	19.8	18	6.2

1. Comply with AEC-Q200

2. Operating Temp: -55~+155°C

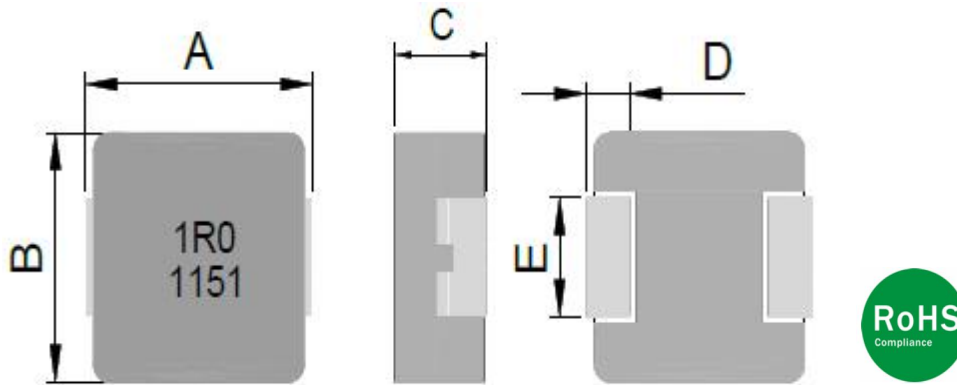
3. Storage Temp: -55~+155°C (on board)

4. Test frequency: L: 100KHz/0.1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.00	± 0.4
B	6.60	± 0.4
C	2.00	Max
D	1.80	± 0.3
E	3.00	± 0.3

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0720TV-R10YT	0.1±30%	40	21	2.4	2
ACDMR0720TV-R15YT	0.15±30%	39	18	2.7	2.3
ACDMR0720TV-R22YT	0.22±30%	32	15	4	3.5
ACDMR0720TV-R33MT	0.33±20%	25	14	5	4.5
ACDMR0720TV-R47MT	0.47±20%	20	11.7	8.3	7.1
ACDMR0720TV-R56MT	0.56±20%	18	11	9.3	7.9
ACDMR0720TV-R68MT	0.68±20%	16	10.5	10	8.3
ACDMR0720TV-1R0MT	1.0±20%	14	8	18	16.5
ACDMR0720TV-1R5MT	1.5±20%	12	7	27	23
ACDMR0720TV-2R2MT	2.2±20%	10	6	37	32
ACDMR0720TV-3R3MT	3.3±20%	8	5	48	43
ACDMR0720TV-4R7MT	4.7±20%	7	4.5	60	53
ACDMR0720TV-5R6MT	5.6±20%	6	4	68	59



## ACDMR0720TV SERIES

ACDMR0720TV-6R8MT	6.8±20%	5.5	4	73	63
ACDMR0720TV-8R2MT	8.2±20%	5	3.2	116	101
ACDMR0720TV-100MT	10±20%	4	2.8	154	134
ACDMR0720TV-150MT	15±20%	3.3	2.1	210	190
ACDMR0720TV-220MT	22±20%	2.5	1.5	280	236

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

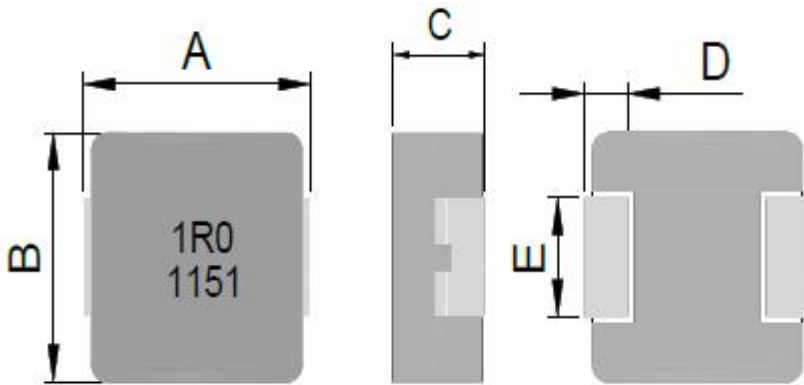
**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR0724TSV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.10	± 0.4
B	6.70	± 0.3
C	2.40	Max
D	1.60	± 0.3
E	3.00	± 0.2



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0724TSV-R10YT	0.1±30%	60	70	25	30	1.35	1.2
ACDMR0724TSV-R15MT	0.15±20%	34	41	30	32	1.8	1.5
ACDMR0724TSV-R22MT	0.22±20%	28	34	23	26	2.53	2.2
ACDMR0724TSV-R33MT	0.33±20%	24	27	21	24	3.52	3.2
ACDMR0724TSV-R36MT	0.36±20%	22	25	20	23	3.8	3.4
ACDMR0724TSV-R45MT	0.45±20%	18	22	17	20	4.4	4
ACDMR0724TSV-R47MT	0.47±20%	18	22	16	19	5.06	4.4
ACDMR0724TSV-R68MT	0.68±20%	15	17	14	17	6	5.2
ACDMR0724TSV-R82MT	0.82±20%	14	16	13	16	8.1	7.3
ACDMR0724TSV-1R0MT	1.0±20%	13	15	11	13	11.8	10
ACDMR0724TSV-1R5MT	1.5±20%	12	14	9	11	16	13.5
ACDMR0724TSV-2R2MT	2.2±20%	9	10	8	9.5	23	18.5
ACDMR0724TSV-3R3MT	3.3±20%	7	8.5	6	8	38	31
ACDMR0724TSV-4R7MT	4.7±20%	6	7	5.5	6.5	46	38
ACDMR0724TSV-5R6MT	5.6±20%	5.7	6.2	5	6	56.4	47
ACDMR0724TSV-6R8MT	6.8±20%	5.6	6	4	4.5	67	58
ACDMR0724TSV-100MT	10±20%	4.2	4.6	3.4	3.7	93	81

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

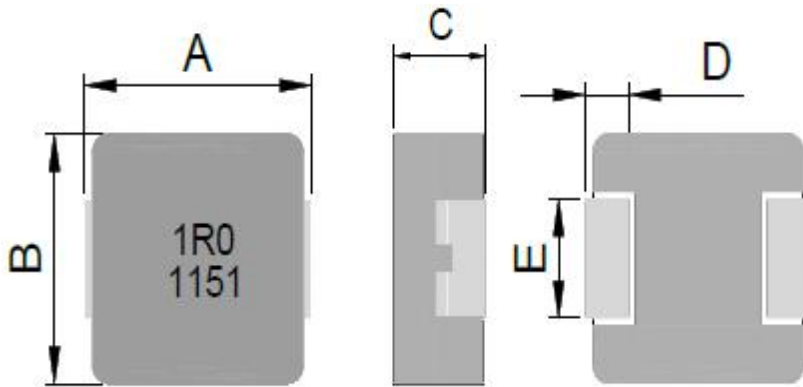
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.00	± 0.4
B	6.60	± 0.4
C	2.40	Max
D	1.80	± 0.3
E	3.00	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0724TV-R10YT	0.1±30%	70	30	1.7	1.4
ACDMR0724TV-R15YT	0.15±30%	45	30	2.3	1.8
ACDMR0724TV-R22MT	0.22±20%	34	21	3.2	2
ACDMR0724TV-R33MT	0.33±20%	30	18	4.4	3.6
ACDMR0724TV-R36MT	0.36±20%	29	17	4.6	3.8
ACDMR0724TV-R47MT	0.47±20%	26	15	5.1	4.8
ACDMR0724TV-R56MT	0.56±20%	24	13	6.5	5.5
ACDMR0724TV-R68MT	0.68±20%	21	13	7.2	6.4
ACDMR0724TV-R82MT	0.82±20%	17	11	9.5	8
ACDMR0724TV-1R0MT	1.0±20%	16	11	13.5	10.5
ACDMR0724TV-1R5MT	1.5±20%	15	9	20	17
ACDMR0724TV-2R2MT	2.2±20%	14	7	28	23
ACDMR0724TV-3R3MT	3.3±20%	10	6	39	34
ACDMR0724TV-4R7MT	4.7±20%	9	5.5	50	41



## ACDMR0724TV SERIES

ACDMR0724TV-5R6MT	5.6±20%	8	5	62	56
ACDMR0724TV-6R8MT	6.8±20%	7	4	72	65
ACDMR0724TV-8R2MT	8.2±20%	6	3.6	95	81
ACDMR0724TV-100MT	10±20%	5	3.2	101	92
ACDMR0724TV-150MT	15±20%	3.5	2.5	180	150
ACDMR0724TV-220MT	22±20%	3	1.8	215	185

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

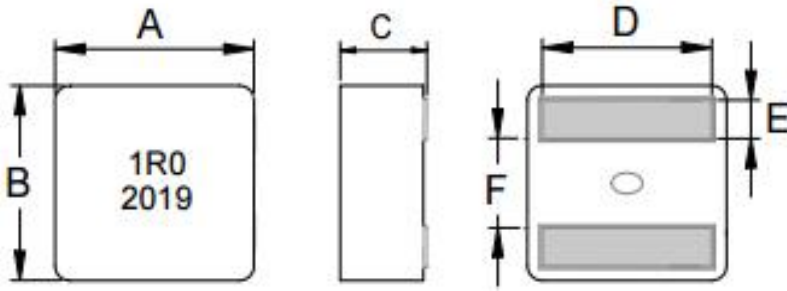
**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR0730TBV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	8.40	± 0.4
B	8.00	± 0.4
C	3.10	Max
D	See Spec Table	
E	1.75	± 0.2
F	3.15	± 0.25

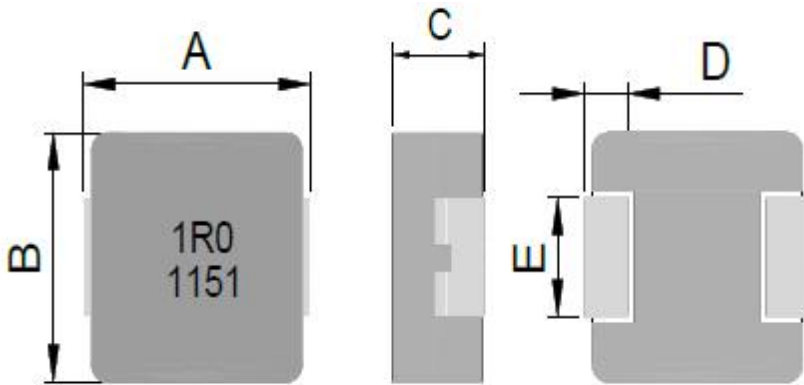


## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) @20°C Typ	Irms (A) @40°C Typ	DCR (mΩ) Max	DCR (mΩ) Typ	D (mm) ± 0.3
ACDMR0730TBV-1R0MT	0.10±20%	30	16.1	21.8	5	4.55	6.6
ACDMR0730TBV-1R5MT	1.5±20%	25	12	15.3	8.25	7.5	6.6
ACDMR0730TBV-2R2MT	2.2±20%	19	10	13	13.7	12.4	6.2
ACDMR0730TBV-2R7MT	2.7±20%	16	9.2	11.4	15.4	14	6.2
ACDMR0730TBV-3R3MT	3.3±20%	15	8	10	18	16.3	6.2
ACDMR0730TBV-4R7MT	4.7±20%	13.5	6.9	9	26.7	24.2	6.2
ACDMR0730TBV-5R6MT	5.6±20%	12.5	5.3	7.3	33.2	30.1	6.2
ACDMR0730TBV-6R8MT	6.8±20%	12	4.5	6.8	42.5	38.6	6.2
ACDMR0730TBV-8R2MT	8.2±20%	10.2	3	5.9	48.73	44.3	6.2
ACDMR0730TBV-100MT	10.0±20%	9	2.8	5	56.1	51	6.2

1. Comply with AEC-Q200
2. Operating Temp: -55~+155°C
3. Storage Temp: -55~+155°C (on board)
4. Test frequency: L: 100KHz/0.1V
5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%
6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.10	± 0.4
B	6.60	± 0.3
C	3.00	Max
D	1.60	± 0.3
E	1.30	± 0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0730THTV-R47MT	0.47±20%	18	21	20	18	4	3.5
ACDMR0730THTV-R56MT	0.56±20%	17	20	17	19	4.8	4.2
ACDMR0730THTV-R68MT	0.68±20%	16.5	19	15.5	17	5.6	4.8
ACDMR0730THTV-R82MT	0.82±20%	16	18	14	16	6.8	5.7
ACDMR0730THTV-1R0MT	1.0±20%	14	16	13	15	8	6.6
ACDMR0730THTV-1R5MT	1.5±20%	12	14	11	13	13.2	11.2
ACDMR0730THTV-2R2MT	2.2±20%	11	13	9	11	15.8	13.7
ACDMR0730THTV-3R3MT	3.3±20%	8.3	9.5	7.3	9	25.8	21.5
ACDMR0730THTV-4R7MT	4.7±20%	7	8.5	6	7	37	32
ACDMR0730THTV-5R6MT	5.6±20%	6	7.2	5.5	6.5	42	36
ACDMR0730THTV-6R8MT	6.8±20%	5.5	6.5	5	6	50	43
ACDMR0730THTV-100MT	10±20%	4.2	5	4.2	5	68	62
ACDMR0730THTV-150MT	15±20%	2.8	3.2	3.5	4.1	114	95
ACDMR0730THTV-220MT	22±20%	2.6	3	2.8	3.4	168	140

1. Comply with AEC-Q200

2. Operating Temp: -55~+180°C

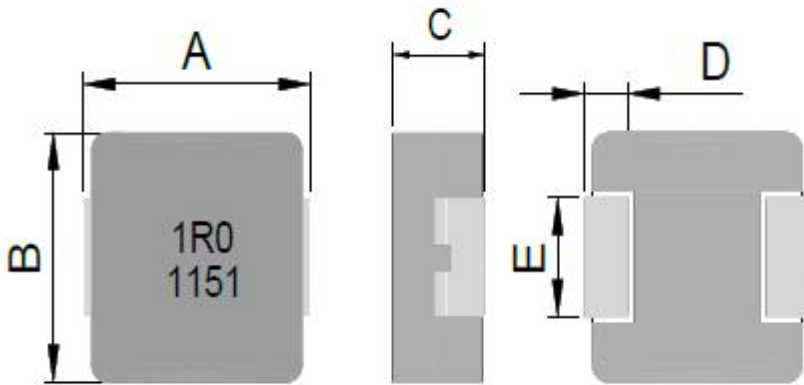
3. Storage Temp: -55~+180°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.10	± 0.4
B	6.60	± 0.3
C	4.00	Max
D	1.60	± 0.3
E	3.00	± 0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0740TSV-R33MT	0.33±20%	25	28	23	25	2.5	2.2
ACDMR0740TSV-R45MT	0.45±20%	18	21	18	20	3.2	2.8
ACDMR0740TSV-R56MT	0.56±20%	17	20	16	19	3.7	3.4
ACDMR0740TSV-1R0MT	1.0±20%	13.5	15	13	15	6.2	5.6

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

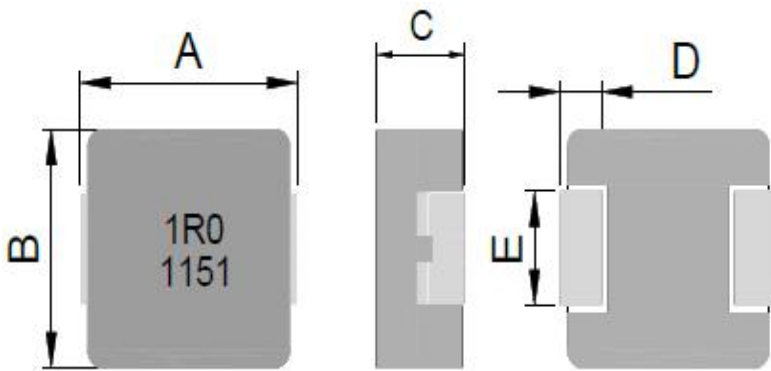
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.30	± 0.4
B	6.60	± 0.4
C	4.00	Max
D	1.80	± 0.3
E	3.00	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0740TV-R12YT	0.12±20%	64	32	1	0.7
ACDMR0740TV-R15YT	0.15±20%	55	30	1.2	0.9
ACDMR0740TV-R47MT	0.47±20%	28	23	3.4	3
ACDMR0740TV-R56MT	0.56±20%	26	20	4.3	3.8
ACDMR0740TV-R68MT	0.68±20%	24	16	4.5	4.1
ACDMR0740TV-1R0MT	1.0±20%	22	14	8	6.8
ACDMR0740TV-1R5MT	1.5±20%	20	12	12	10
ACDMR0740TV-2R2MT	2.2±20%	14	9	14	11.5
ACDMR0740TV-3R3MT	3.3±20%	12	8	27	24
ACDMR0740TV-4R7MT	4.7±20%	11	6	32.5	28
ACDMR0740TV-5R6MT	5.6±20%	9	5	38	33
ACDMR0740TV-6R8MT	6.8±20%	8.5	4.5	50	44
ACDMR0740TV-100MT	10±20%	7	4	72	64
ACDMR0740TV-150MT	15±20%	3.5	3	90	80
ACDMR0740TV-220MT	22±20%	3.5	2.5	145	120
ACDMR0740TV-330MT	33±20%	3.2	1.8	210	180

1.Comply with AEC-Q200

2.Operating Temp:-55~+125°C

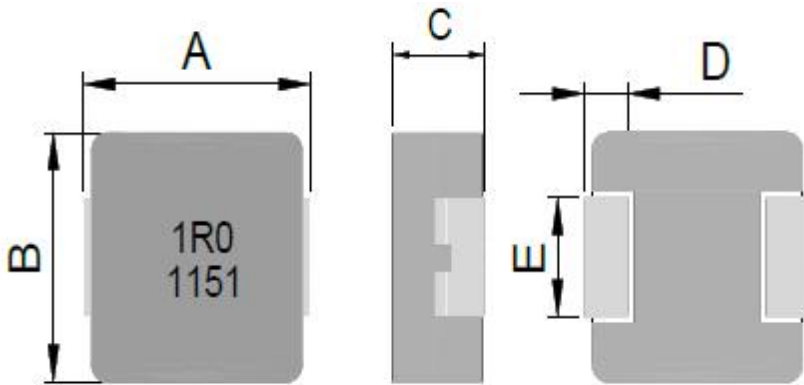
3.Storage Temp:-55~+125°C(on board)

4.Test frequency:L:100KHz/1V

5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	7.30	± 0.4
B	6.60	± 0.4
C	5.00	Max
D	1.60	± 0.3
E	3.00	± 0.2

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0750TSV-R47MT	0.47±20%	20	22	20	22	3.3	2.9
ACDMR0750TSV-R68MT	0.68±20%	17	20	18	20	4.1	3.6
ACDMR0750TSV-1R0MT	1.0±20%	13	16	15	17	6.2	5.6
ACDMR0750TSV-1R5MT	1.5±20%	10.5	13	13	15	7.3	6.6
ACDMR0750TSV-2R2MT	2.2±20%	8.5	10	12	14	11.5	10
ACDMR0750TSV-3R3MT	3.3±20%	8	9.5	11	13	16.2	14
ACDMR0750TSV-4R7MT	4.7±20%	7.5	8.8	9.5	11	24	20.8
ACDMR0750TSV-5R6MT	5.6±20%	/	8	/	10	33	28
ACDMR0750TSV-6R8MT	6.8±20%	7	7.6	8	9	36	30
ACDMR0750TSV-8R2MT	8.2±20%	6	6.5	6.5	7.5	45	38.5
ACDMR0750TSV-100MT	10±20%	5.7	6	6	7	53	44
ACDMR0750TSV-150MT	15±20%	3.2	4	4	5	85	73
ACDMR0750TSV-220MT	22±20%	3.1	3.6	3.6	4.2	142	122
ACDMR0750TSV-330MT	33±20%	1.8	2.3	2.5	3	170	142
ACDMR0750TSV-470MT	47±20%	1.5	1.8	2	2.6	320	275

1. Comply with AEC-Q200

2. Operating Temp:-55~+150°C

3. Storage Temp:-55~+150°C (on board)

4. Test frequency:L:100KHz/1V

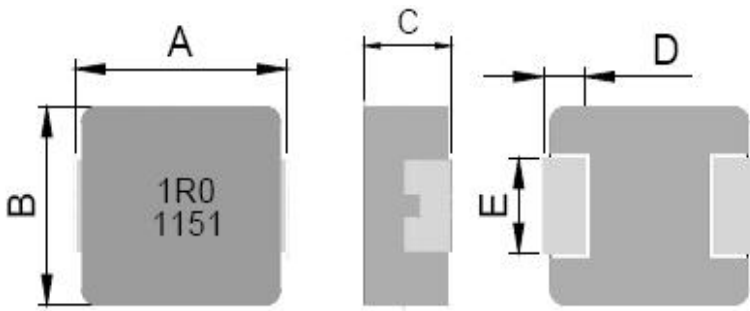
5. Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6. Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C



# ACDMR0830THPV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	9.50	± 0.4
B	8.50	± 0.4
C	3.00	Max
D	1.40	± 0.3
E	4.70	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR0830THPV-R22MT	0.22±20%	100K/1V	45	30	1.61	1.46
ACDMR0830THPV-R33MT	0.33±20%	100K/1V	37	25	2.6	2.3
ACDMR0830THPV-R47MT	0.47±20%	100K/1V	35	21.5	3.4	3
ACDMR08530THPV-1R0MT	1.0±20%	100K/1V	29	14	8.1	7
ACDMR0830THPV-1R5MT	1.5±20%	100K/1V	24	11.5	11.8	10.2
ACDMR0830THPV-2R2MT	2.2±20%	100K/1V	21	9	20.5	18
ACDMR0830THPV-3R3MT	3.3±20%	100K/1V	14	8	27	23
ACDMR0830THPV-4R7MT	4.7±20%	100K/1V	11	7	37	32
ACDMR0830THPV-6R8MT	6.8±20%	100K/1V	9	5.5	53	46
ACDMR0830THPV-8R2MT	8.2±20%	100K/1V	8.5	5	60	52
ACDMR0830THPV-100MT	10±20%	100K/1V	8.2	4.7	75	65
ACDMR0830THPV-150MT	15±20%	100K/1V	7	3.8	102	88
ACDMR0830THPV-220MT	22±20%	100K/1V	4.5	3	180	145
ACDMR0830THPV-330MT	33±20%	100K/1V	4	2.8	220	190

1. Comply with AEC-Q200

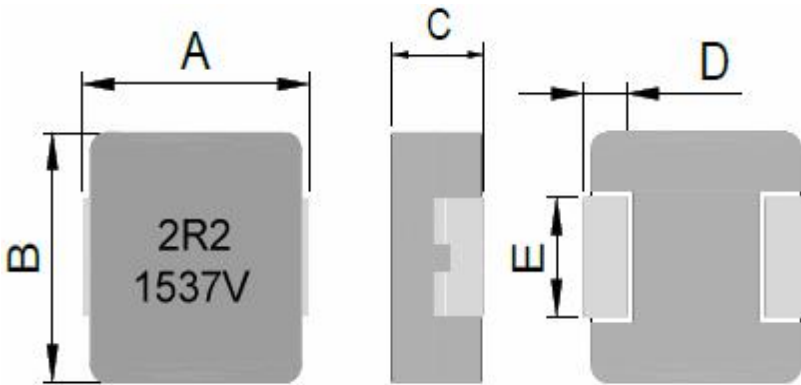
2. Operating Temp:-55~+125°C

3. Storage Temp:-55~+125°C (on board)

4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	11.00	± 0.4
B	10.00	± 0.4
C	4.10	Max
D	2.00	± 0.3
E	3.00	± 0.3

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1040TAHV-1R0MT	1.0±20%	26	29	24	27	3.07	2.8
ACDMR1040TAHV-1R5MT	1.5±20%	24	27	19	22	4.5	4.2
ACDMR1040TAHV-2R2MT	2.2±20%	18	21	15	18	7.2	6.5
ACDMR1040TAHV-3R3MT	3.3±20%	16	18	12	15	11.8	10.2
ACDMR1040TAHV-4R7MT	4.7±20%	13	15	10	13	15.3	14.3
ACDMR1040TAHV-5R6MT	5.6±20%	11	13	9.6	12	17.5	15.5
ACDMR1040TAHV-6R8MT	6.8±20%	10	11	9	10.5	22.3	20.2
ACDMR1040TAHV-100MT	10±20%	8	9	7	8	33	29.3
ACDMR1040TAHV-150MT	15±20%	6.5	7.6	6	7	50	45
ACDMR1040TAHV-220MT	22±20%	5.7	6.5	5	6	72	64
ACDMR1040TAHV-330MT	33±20%	4.5	5.3	4.2	5	117.7	110
ACDMR1040TAHV-470MT	47±20%	4	4.5	3.4	4	167	145
ACDMR1040TAHV-680MT	68±20%	2.8	3.5	3	3.5	240	210

1. Comply with AEC-Q200

2. Operating Temp:-55~+180°C

3. Storage Temp:-55~+180°C (on board)

4. Test frequency:L:100KHz/1V

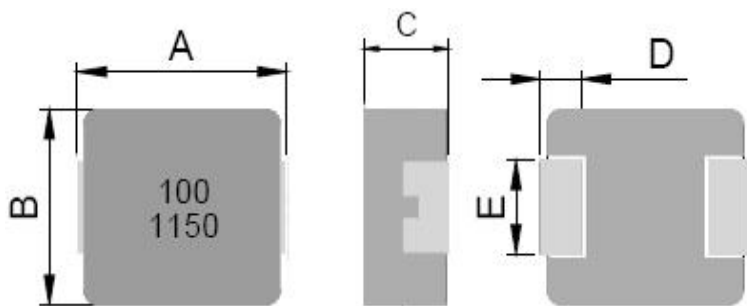
5. Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6. Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C



# ACDMR1040THV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>11.00</b>	<b>± 0.6</b>
<b>B</b>	<b>10.00</b>	<b>± 0.4</b>
<b>C</b>	<b>4.00</b>	<b>Max</b>
<b>D</b>	<b>2.30</b>	<b>± 0.3</b>
<b>E</b>	<b>3.00</b>	<b>± 0.3</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1040THV-R15YT	0.15±30%	100K/1V	75	43	0.6	0.5
ACDMR1040THV-R18YT	0.18±30%	100K/1V	72	38	0.8	0.54
ACDMR1040THV-R20YT	0.2±30%	100K/1V	70	35	0.95	0.66
ACDMR1040THV-R22MT	0.22±20%	100K/1V	60	35	1	0.8
ACDMR1040THV-R27MT	0.27±20%	100K/1V	60	33	1	0.82
ACDMR1040THV-R33MT	0.33±20%	100K/1V	60	31	1.2	1
ACDMR1040THV-R36MT	0.36±20%	100K/1V	60	31	1.2	1.05
ACDMR1040THV-R39MT	0.39±20%	100K/1V	60	30	1.3	1.1
ACDMR1040THV-R45MT	0.45±20%	100K/1V	45	29	1.5	1.3
ACDMR1040THV-R47MT	0.47±20%	100K/1V	43	28	1.5	1.3
ACDMR1040THV-R56MT	0.56±20%	100K/1V	40	25	1.8	1.6
ACDMR1040THV-R68MT	0.68±20%	100K/1V	39	22	2.7	2.4
ACDMR1040THV-R75MT	0.75±20%	100K/1V	39	22	2.7	2.4
ACDMR1040THV-1R0MT	1.0±20%	100K/1V	36	18	3.3	3
ACDMR1040THV-1R2MT	1.2±20%	100K/1V	33	17	3.8	3.3



# ACDMR1040THV SERIES

ACDMR1040THV-1R5MT	1.5±20%	100K/1V	33	16	4.6	4
ACDMR1040THV-2R2MT	2.2±20%	100K/1V	27	12	7	6.5
ACDMR1040THV-2R5MT	2.5±20%	100K/1V	23	11.5	8.7	7.9
ACDMR1040THV-3R3MT	3.3±20%	100K/1V	20	11	11.8	10.8
ACDMR1040THV-4R0MT	4.0±20%	100K/1V	18	10.2	15	13
ACDMR1040THV-4R7MT	4.7±20%	100K/1V	17	10	15.5	15
ACDMR1040THV-5R6MT	5.6±20%	100K/1V	14	9	19.3	17
ACDMR1040THV-6R8MT	6.8±20%	100K/1V	13.5	8.5	23.3	17.5
ACDMR1040THV-8R2MT	8.2±20%	100K/1V	12.5	8	22.5	20
ACDMR1040THV-100MT	10±20%	100K/1V	12	7.5	30	27
ACDMR1040THV-150MT	15±20%	100K/1V	10	6.25	45	40
ACDMR1040THV-220MT	22±20%	100K/1V	7	5	74	64
ACDMR1040THV-270MT	27±20%	100K/1V	6	4	100	86
ACDMR1040THV-330MT	33±20%	100K/1V	5	3.5	112	92
ACDMR1040THV-470MT	47±20%	100K/1V	4.5	3	167	145
ACDMR1040THV-680MT	68±20%	100K/1V	3	2	240	205
ACDMR1040THV-820MT	82±20%	100K/1V	2.5	1.5	320	265

**1. Comply with AEC-Q200**

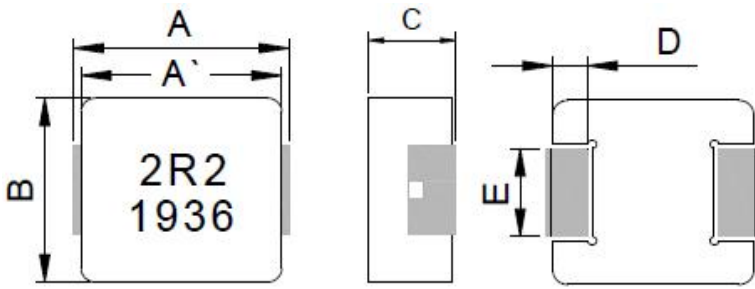
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause  $I_o$  to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>11.00</b>	<b>± 0.4</b>	
<b>A'</b>	<b>10.00</b>	<b>± 0.4</b>	
<b>B</b>	<b>10.00</b>	<b>± 0.4</b>	
<b>C</b>	<b>4.00</b>	<b>Max</b>	
<b>D</b>	<b>2.00</b>	<b>± 0.3</b>	
<b>E</b>	<b>2.50</b>	<b>± 0.3</b>	<b>0.56~1.5uH</b>
	<b>3.00</b>	<b>± 0.3</b>	<b>≤0.47uH</b>
			<b>≥2.00uH</b>



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1040TSV-R15YT	0.15±30%	75	82	38	44	0.6	0.5
ACDMR1040TSV-R22MT	0.22±20%	60	70	33	36	0.83	0.72
ACDMR1040TSV-R36MT	0.36±20%	45	51	29	33	1.18	1.05
ACDMR1040TSV-R47MT	0.47±20%	/	46	/	32	1.5	1.3
ACDMR1040TSV-R56MT	0.56±20%	29	34	23	25	1.8	1.6
ACDMR1040TSV-R68MT	0.68±20%	28	31	20	23	2.2	1.9
ACDMR1040TSV-1R0MT	1.0±20%	26	29	18	20	3.25	2.9
ACDMR1040TSV-1R5MT	1.5±20%	22	26	16	17.5	4.2	3.7
ACDMR1040TSV-1R8MT	1.8±20%	20.5	23	15	16.5	5.7	5.1
ACDMR1040TSV-2R2MT	2.2±20%	16	20	13	15	6.7	5.8
ACDMR1040TSV-3R3MT	3.3±20%	14	17.5	10	11	11.8	10.5
ACDMR1040TSV-4R7MT	4.7±20%	13	15.2	8	8.8	19	15.8



# ACDMR1040TSV SERIES

ACDMR1040TSV-5R6MT	5.6±20%	11.5	14.1	7.2	8	22.8	19
ACDMR1040TSV-6R8MT	6.8±20%	/	12.2	/	7.8	24.5	22
ACDMR1040TSV-8R2MT	8.2±20%	/	9.5	/	7.6	28	25
ACDMR1040TSV-100MT	10±20%	7.5	8.6	6.1	7.5	30	27
ACDMR1040TSV-150MT	15±20%	/	7	/	6.25	45	41
ACDMR1040TSV-220MT	22±20%	/	6.2	/	5	66	58
ACDMR1040TSV-330MT	33±20%	/	5.5	/	4.4	91	84
ACDMR1040TSV-470MT	47±20%	3.7	4	3	3.5	143	125

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+155°C**

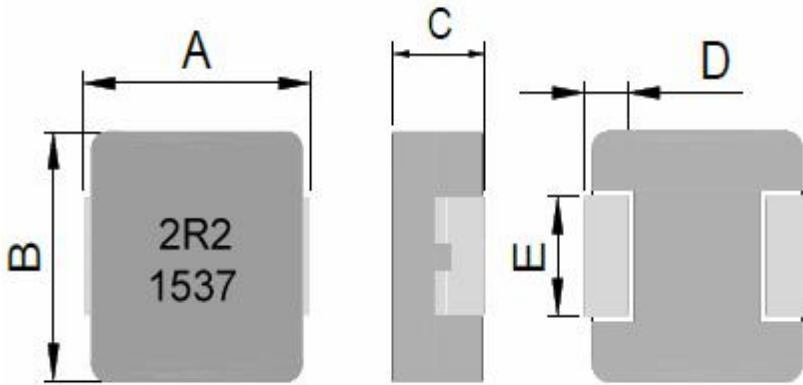
**3. Storage Temp: -55~+155°C (on board)**

**4. Test frequency: Ls: 100KHz / 1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	11.00	± 0.6
B	10.00	± 0.4
C	5.00	Max
D	2.00	± 0.3
E	2.5±0.3	0.68~1.5uH
	3.0±0.3	≤0.47uH
		≥2.2uH

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1050TSV-R36MT	0.36±20%	46	52	30	34	0.92	0.82
ACDMR1050TSV-R47MT	0.47±20%	40	46	29	33	1.32	1.15
ACDMR1050TSV-R68MT	0.68±20%	32	35	25	28	1.9	1.6
ACDMR1050TSV-1R0MT	1.0±20%	30	33	23	25	3	2.6
ACDMR1050TSV-1R5MT	1.5±20%	24	27	21	23	3.8	3.4
ACDMR1050TSV-2R2MT	2.2±20%	18	20	17.5	19.5	5.6	5.1
ACDMR1050TSV-3R3MT	3.3±20%	15.5	17.5	15	17	9.1	8.1
ACDMR1050TSV-4R7MT	4.7±20%	14	16	13	15	10.5	9.3
ACDMR1050TSV-5R6MT	5.6±20%	12.5	15	11	13	14.4	12.8
ACDMR1050TSV-6R8MT	6.8±20%	12	14	10	12	17.3	15
ACDMR1050TSV-8R2MT	8.2±20%	/	13.5	/	10	18.8	16.1
ACDMR1050TSV-100MT	10±20%	11	13	7.2	7.6	21.8	18.9
ACDMR1050TSV-150MT	15±20%	/	8.5	/	6.5	39	32
ACDMR1050TSV-220MT	22±20%	5.5	6	5.5	6	54	44
ACDMR1050TSV-330MT	33±20%	/	5.8	/	5.5	86	74
ACDMR1050TSV-470MT	47±20%	4	3.5	4	4.5	127	106
ACDMR1050TSV-101MT	100±20%	2.4	2.8	2	2.2	290	242

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

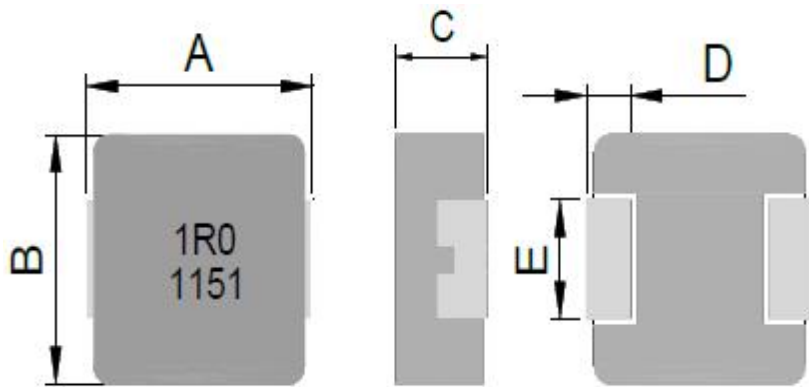
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	11.00	± 0.6
B	10.00	± 0.4
C	5.00	Max
D	2.30	± 0.3
E	3.00	± 0.3

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1050THV-R22MT	0.22±20%	70	45	0.5	0.45
ACDMR1050THV-R30MT	0.3±20%	65	38	0.61	0.57
ACDMR1050THV-1R0MT	1.0±20%	30	22	3.5	2.8
ACDMR1050THV-1R2MT	1.2±20%	28	20	3.5	2.9
ACDMR1050THV-1R3MT	1.3±20%	28	20	3.7	3.2
ACDMR1050THV-1R5MT	1.5±20%	27	19	4.1	3.5
ACDMR1050THV-2R2MT	2.2±20%	24	16	6	5.4
ACDMR1050THV-3R3MT	3.3±20%	22	14	10.4	9
ACDMR1050THV-8R2MT	8.2±20%	14.5	9	24	18.5
ACDMR1050THV-100MT	10±20%	13.5	8	29	25
ACDMR1050THV-150MT	15±20%	9.5	5.5	45	37
ACDMR1050THV-220MT	22±20%	9	5	60	50
ACDMR1050THV-330MT	33±20%	7.5	4.3	92	80
ACDMR1050THV-470MT	47±20%	6.5	3.8	145	125
ACDMR1050THV-680MT	68±20%	4	2.5	205	176
ACDMR1050THV-101MT	100±20%	3	2	380	315

1. Comply with AEC-Q200

2. Operating Temp: -55~+125°C

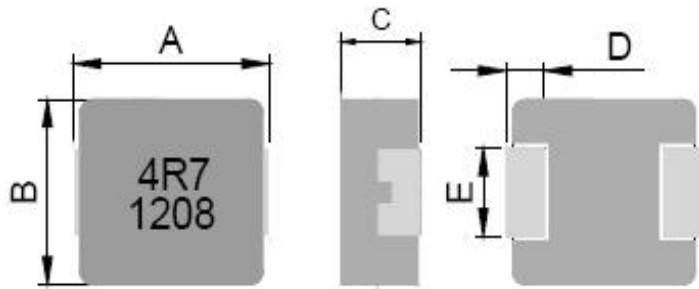
3. Storage Temp: -55~+125°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	13.50	± 0.6
B	12.50	± 0.4
C	3.50	Max
D	2.30	±0.3
E	4.70	±0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1335THPV-R33MT	0.33±20%	100K/1V	62	36.5	1	0.85
ACDMR1335THPV-R36MT	0.36±20%	100K/1V	60	36	1.1	0.87
ACDMR1335THPV-R45MT	0.45±20%	100K/1V	58	33	1.5	1.05
ACDMR1335THPV-R47MT	0.47±20%	100K/1V	55	32	1.8	1.2
ACDMR1335THPV-R56MT	0.56±20%	100K/1V	53	30	1.9	1.3
ACDMR1335THPV-R60MT	0.6±20%	100K/1V	51	29	2.2	1.5
ACDMR1335THPV-R67MT	0.67±20%	100K/1V	49	28	2.5	1.9
ACDMR1335THPV-R68MT	0.68±20%	100K/1V	49	28	2.5	1.9
ACDMR1335THPV-R82MT	0.82±20%	100K/1V	44	25	3	2.2
ACDMR1335THPV-1R0MT	1.0±20%	100K/1V	40	24	3.5	2.7
ACDMR1335THPV-1R2MT	1.2±20%	100K/1V	37	21	5	4
ACDMR1335THPV-1R5MT	1.5±20%	100K/1V	35	19	5.5	4.8
ACDMR1335THPV-2R2MT	2.2±20%	100K/1V	29	16	8	6.3
ACDMR1335THPV-3R3MT	3.3±20%	100K/1V	27	12	13.5	11
ACDMR1335THPV-4R7MT	4.7±20%	100K/1V	24	10	18.5	15.3
ACDMR1335THPV-5R6MT	5.6±20%	100K/1V	19	9.5	22	18
ACDMR1335THPV-6R8MT	6.8±20%	100K/1V	18	9	24	20
ACDMR1335THPV-8R2MT	8.2±20%	100K/1V	16	8.5	28	23
ACDMR1335THPV-100MT	10±20%	100K/1V	14	7	34	29
ACDMR1335THPV-330MT	33±20%	100K/1V	6	3.5	160	132

1. Comply with AEC-Q200

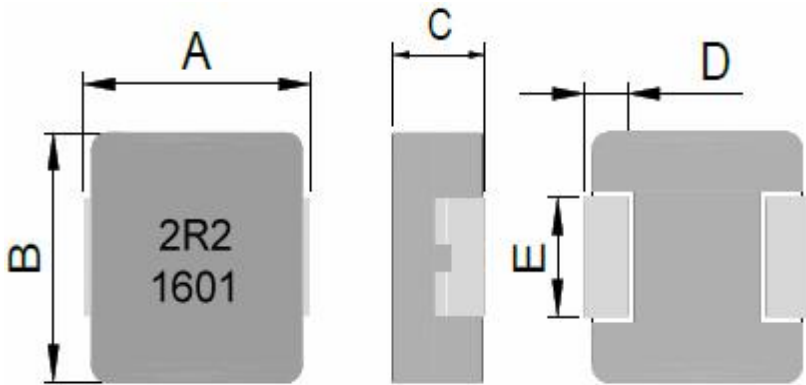
2. Operating Temp:-55~+125°C

3. Storage Temp:-55~+125°C(on board)

4. Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

5. Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>13.50</b>	<b>± 0.6</b>
<b>B</b>	<b>12.60</b>	<b>± 0.3</b>
<b>C</b>	<b>5.00</b>	<b>Max</b>
<b>D</b>	<b>2.30</b>	<b>± 0.3</b>
<b>E</b>	<b>4.0±0.3</b>	<b>≤1.0uH</b>
	<b>4.7±0.3</b>	<b>≥1.5uH</b>

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1350TASV-R47MT	0.47±20%	58	65	34	38	0.9	0.77
ACDMR1350TASV-R68MT	0.68±20%	42	50	31	34	1.55	1.3
ACDMR1350TASV-1R0MT	1.0±20%	34	40	27	30	1.9	1.6
ACDMR1350TASV-1R5MT	1.5±20%	28	31	22	25	3.8	3.2
ACDMR1350TASV-2R2MT	2.2±20%	23	26	15.5	17	4.8	4.1
ACDMR1350TASV-3R3MT	3.3±20%	20.5	23	14	15.5	7	6
ACDMR1350TASV-4R7MT	4.7±20%	16	18.5	12.5	14	10.2	8.8
ACDMR1350TASV-6R8MT	6.8±20%	15	16.5	11	12	16	13
ACDMR1350TASV-100MT	10±20%	10.5	13	9	10	22	19.2
ACDMR1350TASV-150MT	15±20%	9.2	11	8.2	9.4	36	30
ACDMR1350TASV-220MT	22±20%	7.5	8.5	7	8	52	42
ACDMR1350TASV-330MT	33±20%	6.5	7.3	5.2	6	80	66

1.Comply with AEC-Q200

2.Operating Temp:-55~+150°C

3.Storage Temp:-55~+150°C(on board)

4.Test frequency:L:100KHz/1V

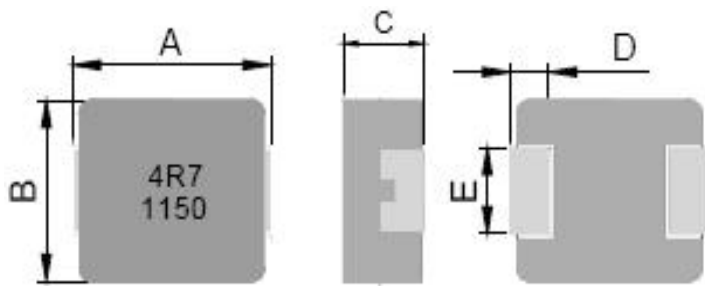
5.Saturation Rated Current:DC current(A)that will cause Lo to drop approximately 30%

6.Temperature Rise Current:DC current(A)that will cause an approximate ΔT of 40°C



# ACDMR1350THPV SERIES

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	13.50	± 0.6
B	12.50	± 0.4
C	5.00	Max
D	2.30	±0.3
E	4.70	±0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1350THPV-R20MT	0.2±20%	100K/1V	110	52	0.55	0.45
ACDMR1350THPV-R22MT	0.22±20%	100K/1V	110	52	0.7	0.5
ACDMR1350THPV-R33MT	0.33±20%	100K/1V	80	42	0.9	0.7
ACDMR1350THPV-R36MT	0.36±20%	100K/1V	75	42	0.95	0.75
ACDMR1350THPV-R39MT	0.39±20%	100K/1V	70	42	0.95	0.78
ACDMR1350THPV-R47MT	0.47±20%	100K/1V	65	38	1.1	0.86
ACDMR1350THPV-R50MT	0.5±20%	100K/1V	60	37	1.3	0.9
ACDMR1350THPV-R56MT	0.56±20%	100K/1V	55	36	1.5	1
ACDMR1350THPV-R68MT	0.68±20%	100K/1V	54	34	1.7	1.4
ACDMR1350THPV-R82MT	0.82±20%	100K/1V	52	31	2.1	1.7
ACDMR1350THPV-1R0MT	1.0±20%	100K/1V	50	29	2.5	1.85
ACDMR1350THPV-1R2MT	1.2±20%	100K/1V	49	28	3	2.5
ACDMR1350THPV-1R5MT	1.5±20%	100K/1V	48	27	3.3	2.8
ACDMR1350THPV-1R8MT	1.8±20%	100K/1V	40	21	4.9	4
ACDMR1350THPV-2R2MT	2.2±20%	100K/1V	32	20	5.5	4.2



# ACDMR1350THPV SERIES

ACDMR1350THPV-2R7MT	2.7±20%	100K/1V	32	17	6.7	4.7
ACDMR1350THPV-3R3MT	3.3±20%	100K/1V	32	15	9.2	6.8
ACDMR1350THPV-4R7MT	4.7±20%	100K/1V	27	12	15	11.4
ACDMR1350THPV-5R6MT	5.6±20%	100K/1V	22	11.5	16.5	12.3
ACDMR1350THPV-6R0MT	6.0±20%	100K/1V	21.5	11.5	16.5	13
ACDMR1350THPV-6R8MT	6.8±20%	100K/1V	21	11	18.5	14.5
ACDMR1350THPV-8R2MT	8.2±20%	100K/1V	18	9.5	22.5	16.8
ACDMR1350THPV-100MT	10±20%	100K/1V	16	9	25.5	21.4
ACDMR1350THPV-120MT	12±20%	100K/1V	15	8.6	34	28
ACDMR1350THPV-150MT	15±20%	100K/1V	13	8.2	38	32
ACDMR1350THPV-180MT	18±20%	100K/1V	11	7.5	45	40
ACDMR1350THPV-220MT	22±20%	100K/1V	10	6.5	58	50
ACDMR1350THPV-270MT	27±20%	100K/1V	8.5	5.2	76	63
ACDMR1350THPV-330MT	33±20%	100K/1V	8	5	88	75
ACDMR1350THPV-390MT	39±20%	100K/1V	7.5	4.7	100	87
ACDMR1350THPV-680MT	68±20%	100K/1V	5.5	3.5	162	135
ACDMR1350THPV-820MT	82±20%	100K/1V	4.8	3	238	198

**1. Comply with AEC-Q200**

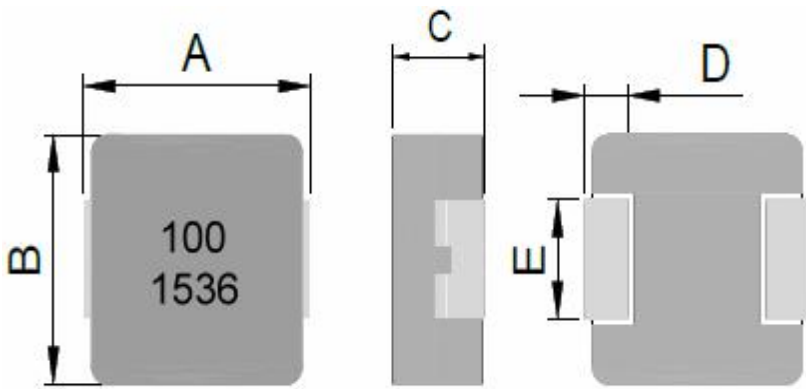
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause  $L_o$  to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	13.50	± 0.6
B	12.60	± 0.3
C	6.00	Max
D	2.30	± 0.3
E	4.0±0.3	1.5uH
	4.7±0.3	≤0.33uH
		≥3.3uH

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1360TASV-R36MT	0.36±20%	60	70	50	60	0.8	0.65
ACDMR1360TASV-1R5MT	1.5±20%	27	32	24	28	3	2.4
ACDMR1360TASV-2R2MT	2.2±20%	/	28	/	25	4.3	3.7
ACDMR1360TASV-3R3MT	3.3±20%	24	28	18	21	6.5	5.3
ACDMR1360TASV-4R7MT	4.7±20%	/	23	/	19	8.4	7
ACDMR1360TASV-8R2MT	8.2±20%	15.5	17	12	13.5	16	13.5
ACDMR1360TASV-100MT	10±20%	14.5	16	10.5	12	18.6	15.5
ACDMR1360TASV-150MT	15±20%	9	10	8.5	10	29	24
ACDMR1360TASV-220MT	22±20%	8	9	7	8	37.5	31.2
ACDMR1360TASV-330MT	33±20%	6.7	7.8	5.5	6.5	68	56
ACDMR1360TASV-470MT	47±20%	5.5	6.7	4.5	5.2	88	76
ACDMR1360TASV-680MT	68±20%	5	5.8	3.7	4.5	124	103
ACDMR1360TASV-101MT	100±20%	4	5	2.8	3.2	195	162
ACDMR1360TASV-151MT	150±20%	3.2	4.1	2.2	2.6	325	270

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

3. Storage Temp: -55~+150°C (on board)

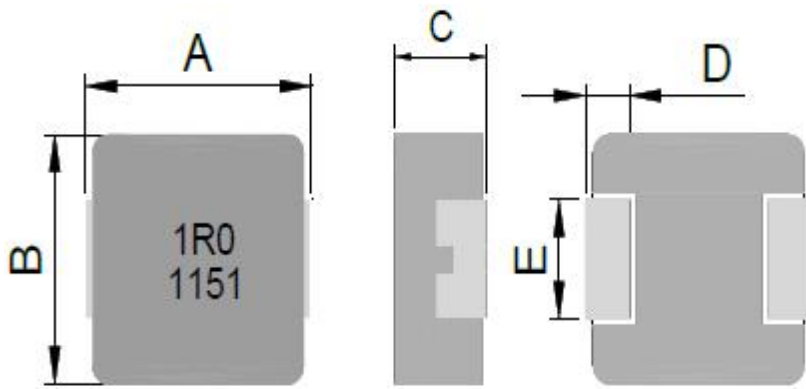
4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate ΔT of 40°C

# ACDMR1360THPV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	13.50	± 0.6
B	12.50	± 0.4
C	6.00	Max
D	2.30	± 0.3
E	4.70	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1360THPV-R47MT	0.47±20%	64	38	1.3	0.92
ACDMR1360THPV-R56MT	0.56±20%	60	35	1.5	1.15
ACDMR1360THPV-R68MT	0.68±20%	57	33	1.7	1.33
ACDMR1360THPV-1R0MT	1.0±20%	53	29	2.4	1.8
ACDMR1360THPV-1R2MT	1.2±20%	51	28	2.4	1.8
ACDMR1360THPV-1R5MT	1.5±20%	50	26	3.2	2.7
ACDMR1360THPV-1R7MT	1.7±20%	48	25	4	3.5
ACDMR1360THPV-1R8MT	1.8±20%	47	24	4	3.5
ACDMR1360THPV-1R9MT	1.9±20%	44	22	4.3	3.7
ACDMR1360THPV-2R2MT	2.2±20%	34	21	4.7	4
ACDMR1360THPV-2R7MT	2.7±20%	40	19	5.4	4.6
ACDMR1360THPV-2R9MT	2.9±20%	38	18	6	4.9
ACDMR1360THPV-3R3MT	3.3±20%	35	17	7.1	5.8
ACDMR1360THPV-4R7MT	4.7±20%	30	16	11.5	9.5
ACDMR1360THPV-5R6MT	5.6±20%	28	15.5	12.6	10.8



# ACDMR1360THPV SERIES

ACDMR1360THPV-6R8MT	6.8±20%	25	15	13.8	12
ACDMR1360THPV-8R2MT	8.2±20%	23	11	16	13.6
ACDMR1360THPV-100MT	10±20%	21	11	20.7	18
ACDMR1360THPV-120MT	12±20%	18	9.5	23	20
ACDMR1360THPV-150MT	15±20%	16	9	29	25
ACDMR1360THPV-180MT	18±20%	15	8.5	35	30
ACDMR1360THPV-220MT	22±20%	14	8	39.5	34
ACDMR1360THPV-270MT	27±20%	13	7	56	49
ACDMR1360THPV-330MT	33±20%	12	6	75	65
ACDMR1360THPV-470MT	47±20%	11	5.5	90	80
ACDMR1360THPV-680MT	68±20%	6	5	140	120
ACDMR1360THPV-820MT	82±20%	8.5	4.5	161	138
ACDMR1360THPV-101MT	100±20%	8	4	200	180
ACDMR1360THPV-121MT	120±20%	7	3.5	235	210
ACDMR1360THPV-151MT	150±20%	6	3	350	300
ACDMR1360THPV-171MT	170±20%	5	2.5	415	345
ACDMR1360THPV-221MT	220±20%	4	2	550	480

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+125°C**

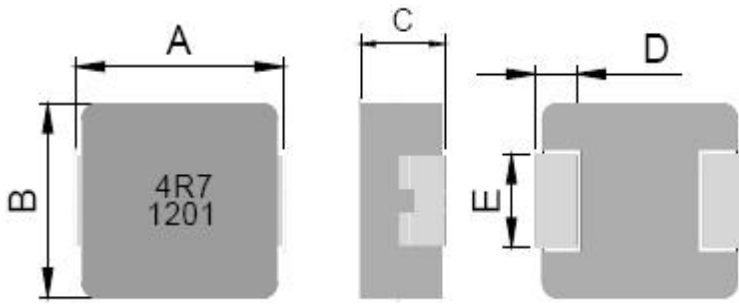
**3. Storage Temp: -55~+125°C (on board)**

**4. Test frequency: L: 100KHz/1V**

**5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	13.50	± 0.6
B	12.50	± 0.4
C	6.50	Max
D	2.30	± 0.3
E	4.70	± 0.3



## II. ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1365THPV-R15MT	0.15±20%	100K/1V	118	55	0.6	0.49
ACDMR1365THPV-R22MT	0.22±20%	100K/1V	112	53	0.6	0.47
ACDMR1365THPV-R30MT	0.3±20%	100K/1V	72	48	0.72	0.6
ACDMR1365THPV-R33MT	0.33±20%	100K/1V	68	46	0.8	0.65
ACDMR1365THPV-R36MT	0.36±20%	100K/1V	66	45	0.9	0.7
ACDMR1365THPV-R40MT	0.4±20%	100K/1V	64	44	1	0.7
ACDMR1365THPV-R45MT	0.45±20%	100K/1V	63	42	1.2	0.9
ACDMR1365THPV-R47MT	0.47±20%	100K/1V	63	41	1.2	0.9
ACDMR1365THPV-R50MT	0.5±20%	100K/1V	60	40	1.25	0.92
ACDMR1365THPV-R56MT	0.56±20%	100K/1V	58	37	1.2	1.05
ACDMR1365THPV-R68MT	0.68±20%	100K/1V	55	35	1.5	1.25
ACDMR1365THPV-R82MT	0.82±20%	100K/1V	50	33	1.9	1.5
ACDMR1365THPV-1R0MT	1.0±20%	100K/1V	48	30	2.3	1.7
ACDMR1365THPV-1R2MT	1.2±20%	100K/1V	47	28	2.4	1.9
ACDMR1365THPV-1R4MT	1.4±20%	100K/1V	46	27	2.6	2.1
ACDMR1365THPV-1R5MT	1.5±20%	100K/1V	45	27	3	2.5



# ACDMR1365THPV SERIES

ACDMR1365THPV-1R8MT	1.8±20%	100K/1V	40	24	4	3.6
ACDMR1365THPV-2R2MT	2.2±20%	100K/1V	37	22	4.2	3.8
ACDMR1365THPV-2R7MT	2.7±20%	100K/1V	32	20	5.5	4.3
ACDMR1365THPV-3R3MT	3.3±20%	100K/1V	30	18	6.8	5.7
ACDMR1365THPV-4R7MT	4.7±20%	100K/1V	28	13.5	8.4	7
ACDMR1365THPV-5R6MT	5.6±20%	100K/1V	23	12.5	10	8.5
ACDMR1365THPV-6R8MT	6.8±20%	100K/1V	18	11.5	11.5	9.5
ACDMR1365THPV-7R0MT	7.0±20%	100K/1V	17.7	11.2	12.3	10
ACDMR1365THPV-8R2MT	8.2±20%	100K/1V	16	10.5	15.5	12
ACDMR1365THPV-100MT	10±20%	100K/1V	15.5	10	16.5	13.2
ACDMR1365THPV-120MT	12±20%	100K/1V	14	9.5	20	16
ACDMR1365THPV-130MT	13±20%	100K/1V	13	9	24	21
ACDMR1365THPV-150MT	15±20%	100K/1V	12.5	9	28	23.2
ACDMR1365THPV-220MT	22±20%	100K/1V	12	9	37	32.5
ACDMR1365THPV-250MT	25±20%	100K/1V	11.5	8.5	47	40
ACDMR1365THPV-330MT	33±20%	100K/1V	11	8	58	48
ACDMR1365THPV-470MT	47±20%	100K/1V	9.5	6.5	90	76
ACDMR1365THPV-101MT	100±20%	100K/1V	5.5	4.2	165	145

**1. Comply with AEC-Q200**

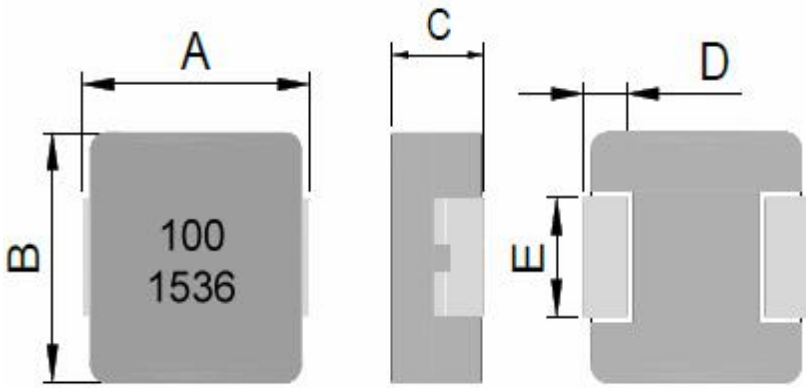
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I. MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>13.50</b>	<b>± 0.6</b>
<b>B</b>	<b>12.60</b>	<b>± 0.3</b>
<b>C</b>	<b>6.50</b>	<b>Max</b>
<b>D</b>	<b>2.30</b>	<b>± 0.3</b>
<b>E</b>	<b>4.0±0.3</b>	<b>0.68~1.5uH</b>
	<b>4.7±0.3</b>	<b>≤0.22uH</b>
		<b>≥2.2uH</b>

## II. ELECTRICAL CHARACTERISTICS

<b>Parts Number</b>	<b>Inductance (uH)</b>	<b>Isat (A) Max</b>	<b>Isat (A) Typ</b>	<b>Irms (A) Max</b>	<b>Irms (A) Typ</b>	<b>DCR (mΩ) Max</b>	<b>DCR (mΩ) Typ</b>
ACDMR1365TASV-R10YT	0.1±30%	115	120	60	65	0.25	0.2
ACDMR1365TASV-R22MT	0.22±20%	105	112	42	53	0.46	0.4
ACDMR1365TASV-R47MT	0.47±20%	/	68	/	42	1.02	0.88
ACDMR1365TASV-R68MT	0.68±20%	46	55	33	36.5	1.5	1.25
ACDMR1365TASV-1R0MT	1.0±20%	36	45	29	33	1.8	1.5
ACDMR1365TASV-1R5MT	1.5±20%	30	35	25	29	2.53	2.2
ACDMR1365TASV-2R2MT	2.2±20%	24	28.5	21	25	4.2	3.7
ACDMR1365TASV-3R3MT	3.3±20%	22.5	27	19	22	6.2	5.3
ACDMR1365TASV-4R7MT	4.7±20%	21	25	17	20	8	6.8
ACDMR1365TASV-5R6MT	5.6±20%	19.5	23	15	18	9.8	8.3
ACDMR1365TASV-6R8MT	6.8±20%	18	21	14	16.5	11.3	9.8



# ACDMR1365TASV SERIES

ACDMR1365TASV-8R2MT	8.2±20%	17	19	12.5	15	13.8	12
ACDMR1365TASV-100MT	10±20%	15	17	11	13	15.8	13
ACDMR1365TASV-150MT	15±20%	/	13.5	/	11	26	22
ACDMR1365TASV-220MT	22±20%	9	10	8	10	35	31
ACDMR1365TASV-330MT	33±20%	8	9	6.5	9	55	46
ACDMR1365TASV-470MT	47±20%	6.8	7.6	5.7	8	67	58
ACDMR1365TASV-680MT	68±20%	5	6	4.8	5.8	100	82
ACDMR1365TASV-820MT	82±20%	4.2	5	4	5	132	110
ACDMR1365TASV-101MT	100±20%	4	5	3.8	5	161	140

**1. Comply with AEC-Q200**

**2. Operating Temp: -55~+150°C**

**3. Storage Temp: -55~+150°C (on board)**

**4. Test frequency: L: 100KHz/1V**

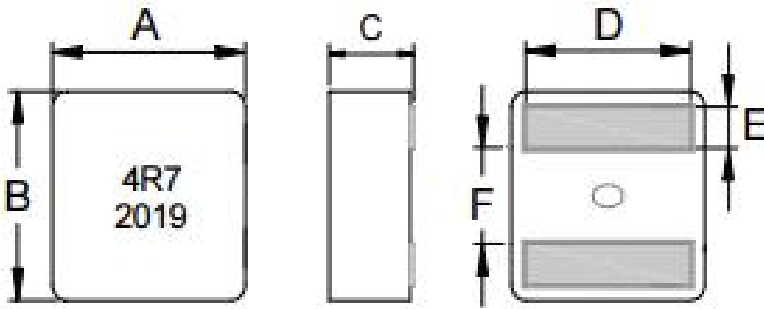
**5. Saturation Rated Current: DC current(A) that will cause  $L_o$  to drop approximately 30%**

**6. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**



# ACDMR1610TAV SERIES

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	16.5	± 0.3
B	15.5	± 0.3
C	10.0	Max
D	13.2	± 0.5
E	3.2	± 0.2
F	7.0	± 0.3

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat (A) Typ	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1610TAV-4R7MT	4.7±20%	100K/0.1V	43	30	3.8	3.4
ACDMR1610TAV-5R6MT	5.6±20%	100K/0.1V	38	28	4.2	3.82
ACDMR1610TAV-6R8MT	6.8±20%	100K/0.1V	36	26	4.6	4.18
ACDMR1610TAV-8R2MT	8.2±20%	100K/0.1V	32	25	7.2	6

1. Comply with AEC-Q200

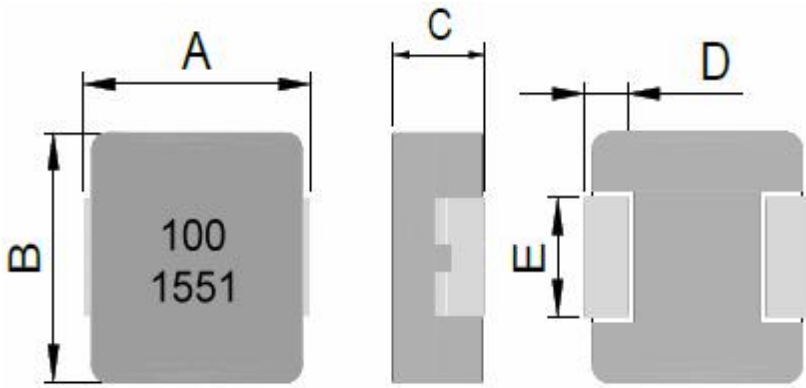
2. Operating Temp: -55~+155°C

3. Storage Temp: -55~+155°C (on board)

4. Saturation Rated Current: DC current(A) that will cause  $L_o$  to drop approximately 30%

5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>17.80</b>	<b>± 0.6</b>
<b>B</b>	<b>16.90</b>	<b>± 0.4</b>
<b>C</b>	<b>7.00</b>	<b>Max</b>
<b>D</b>	<b>2.30</b>	<b>± 0.3</b>
<b>E</b>	<b>11.90</b>	<b>± 0.3</b>

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1770TASV-R47MT	0.47±20%	100	110	55	60	0.9	0.7
ACDMR1770TASV-R56MT	0.56±20%	70	80	50	56	0.97	0.81
ACDMR1770TASV-1R0MT	1.0±20%	45	50	42	46	1.3	1.06
ACDMR1770TASV-1R5MT	1.5±20%	40	46	35	39	1.8	1.5
ACDMR1770TASV-1R8MT	1.8±20%	34	40	32	35	2	1.7
ACDMR1770TASV-2R2MT	2.2±20%	32	35	30	32	2.2	1.8
ACDMR1770TASV-3R3MT	3.3±20%	29	32	28	30	3.3	2.7
ACDMR1770TASV-4R7MT	4.7±20%	26	29	26	28	4.5	3.7
ACDMR1770TASV-6R8MT	6.8±20%	22	25	22	24	7.2	6
ACDMR1770TASV-100MT	10±20%	19	22	19	21	10.6	9.2
ACDMR1770TASV-150MT	15±20%	14	16	14	16	15.5	12.8
ACDMR1770TASV-220MT	22±20%	11.5	13.5	11.5	13.5	24	20.5
ACDMR1770TASV-330MT	33±20%	10	12	10	12	37	32
ACDMR1770TASV-470MT	47±20%	8	9.5	8	9.5	47	40
ACDMR1770TASV-680MT	68±20%	7.2	8.5	6.5	8	76	66
ACDMR1770TASV-820MT	82±20%	6.5	8	5.7	6.5	83	69
ACDMR1770TASV-101MT	100±20%	/	6.5	/	6	105	90

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

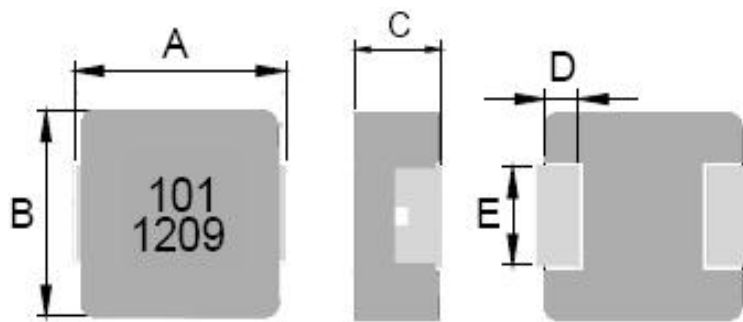
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current (A) that will cause  $L_o$  to drop approximately 30%

6. Temperature Rise Current: DC current (A) that will cause an approximate  $\Delta T$  of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

<b>A</b>	<b>17.60</b>	<b>± 0.5</b>
<b>B</b>	<b>16.90</b>	<b>± 0.4</b>
<b>C</b>	<b>7.00</b>	<b>Max</b>
<b>D</b>	<b>2.10</b>	<b>± 0.3</b>
<b>E</b>	<b>11.90</b>	<b>± 0.3</b>

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Test Freq. (Hz)	I <sub>ast</sub> (A) Typ	I <sub>rms</sub> (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1770THPV-R45MT	0.45±20%	100K/1V	125	62	0.96	0.8
ACDMR1770THPV-R47MT	0.47±20%	100K/1V	123	62	1.03	0.95
ACDMR1770THPV-1R0MT	1.0±20%	100K/1V	70	52	2	1.6
ACDMR1770THPV-1R3MT	1.3±20%	100K/1V	67	49	2.3	1.7
ACDMR1770THPV-1R5MT	1.5±20%	100K/1V	65	47	2.5	2
ACDMR1770THPV-1R8MT	1.8±20%	100K/1V	63	45	2.5	2.1
ACDMR1770THPV-2R2MT	2.2±20%	100K/1V	62	43.5	2.7	2.4
ACDMR1770THPV-3R3MT	3.3±20%	100K/1V	54	28	3.9	3.5
ACDMR1770THPV-4R7MT	4.7±20%	100K/1V	50	25	5.5	4.8
ACDMR1770THPV-5R6MT	5.6±20%	100K/1V	45	21	7.05	5.8
ACDMR1770THPV-6R8MT	6.8±20%	100K/1V	39	19	9.2	8.4
ACDMR1770THPV-7R4MT	7.4±20%	100K/1V	34	18.5	9.7	8.8
ACDMR1770THPV-8R2MT	8.2±20%	100K/1V	31	18	10.8	9.6
ACDMR1770THPV-100MT	10±20%	100K/1V	29	16.5	13	11.8
ACDMR1770THPV-150MT	15±20%	100K/1V	27	12.5	20.5	17.8



## ACDMR1770THPV SERIES

ACDMR1770THPV-220MT	22±20%	100K/1V	23	12	26.5	25.1
ACDMR1770THPV-330MT	33±20%	100K/1V	20	10.7	44	38
ACDMR1770THPV-390MT	39±20%	100K/1V	18	9.2	48	40
ACDMR1770THPV-470MT	47±20%	100K/1V	16	8.7	55	48
ACDMR1770THPV-560MT	56±20%	100K/1V	15	7.8	62	54
ACDMR1770THPV-680MT	68±20%	100K/1V	13	7	80	68
ACDMR1770THPV-820MT	82±20%	100K/1V	12	5.7	100	87
ACDMR1770THPV-101MT	100±20%	100K/1V	12	5.3	118	102

**1. Comply with AEC-Q200**

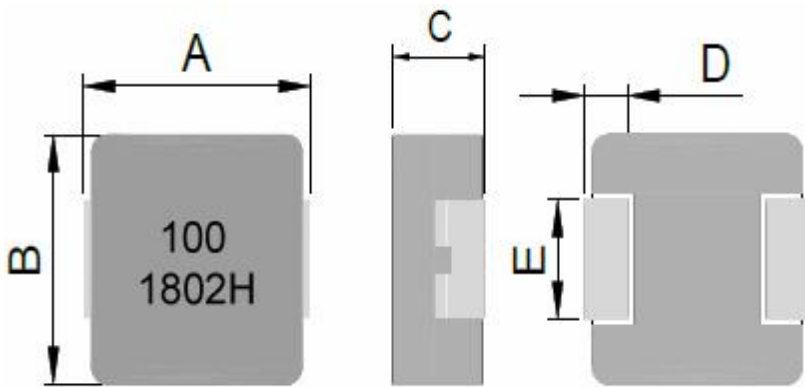
**2. Operating Temp: -55~+125°C**

**3. Storage Temp: -55~+125°C (on board)**

**4. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%**

**5. Temperature Rise Current: DC current(A) that will cause an approximate  $\Delta T$  of 40°C**

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	17.80	± 0.6
B	16.90	± 0.4
C	7.00	Max
D	2.30	± 0.3
E	11.90	± 0.3



## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR1770TCSV-R47MT	0.47±20%	100	115	55	60	0.83	0.75
ACDMR1770TCSV-1R0MT	1.0±20%	60	68	43	48	1.5	1.3
ACDMR1770TCSV-1R5MT	1.5±20%	48	55	37	42	2.1	1.8
ACDMR1770TCSV-2R2MT	2.2±20%	40	45	35	40	2.8	2.5
ACDMR1770TCSV-3R3MT	3.3±20%	35	40	25	28	3.9	3.5
ACDMR1770TCSV-4R7MT	4.7±20%	32	37	23	26	5.5	4.8
ACDMR1770TCSV-5R6MT	5.6±20%	31	35	21	24	6.8	5.9
ACDMR1770TCSV-6R8MT	6.8±20%	25	30	18	22	9.2	8.4
ACDMR1770TCSV-8R2MT	8.2±20%	24	28	15	18	10.8	9.6
ACDMR1770TCSV-100MT	10±20%	21	25	14	17	13	11.6
ACDMR1770TCSV-150MT	15±20%	20	23	12.5	14	19.5	16.5
ACDMR1770TCSV-180MT	18±20%	18	21	11	13	24	20
ACDMR1770TCSV-220MT	22±20%	17	19	10	12	27.6	24
ACDMR1770TCSV-270MT	27±20%	15	17	9.5	11.3	36	31
ACDMR1770TCSV-330MT	33±20%	13	15	9	10.7	42	36
ACDMR1770TCSV-470MT	47±20%	11	13	7	8.7	53	46

1. Comply with AEC-Q200

2. Operating Temp: -55~+150°C

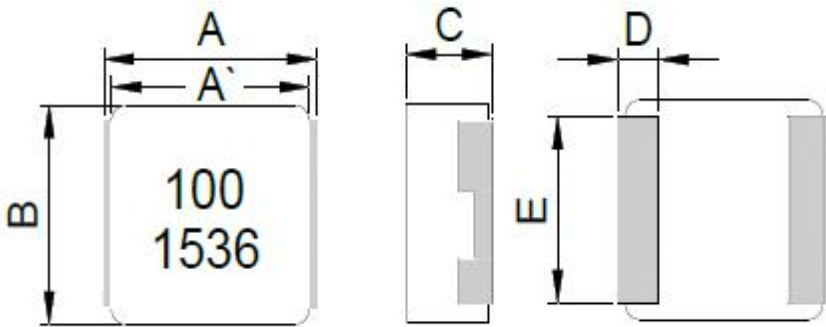
3. Storage Temp: -55~+150°C (on board)

4. Test frequency: L: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C

## I.MECHANICAL DIMENSION



**DIMENSIONS (mm)**

A	23.50	± 0.6
A'	22.70	± 0.4
B	22.00	± 0.4
C	13.00	Max
D	5.00	± 0.4
E	19.00	± 0.3

## II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Isat (A) Max	Isat (A) Typ	Irms (A) Max	Irms (A) Typ	DCR (mΩ) Max	DCR (mΩ) Typ
ACDMR2313TSPV-1R5MT	1.5±20%	48	52	57	62	1.15	1
ACDMR2313TSPV-2R2MT	2.2±20%	43	48	52	58	1.25	1.05
ACDMR2313TSPV-3R3MT	3.3±20%	37	41	47	49	1.75	1.5
ACDMR2313TSPV-4R7MT	4.7±20%	34	38	44	47	2.2	1.9
ACDMR2313TSPV-6R8MT	6.8±20%	32	36	36	40	3.1	2.7
ACDMR2313TSPV-100MT	10±20%	20	28	30	33	4.15	3.8
ACDMR2313TSPV-220MT	22±20%	14	15	18	22	11	9.2
ACDMR2313TSPV-230MT	23±20%	14	15	18	22	11	9.2
ACDMR2313TSPV-330MT	33±20%	10.5	12	16	19	15.4	13.5
ACDMR2313TSPV-470MT	47±20%	10	12	14	17	20.8	17.3
ACDMR2313TSPV-680MT	68±20%	9	12	12	14	29.5	26.2
ACDMR2313TSPV-750MT	75±20%	8.5	10.5	11	13	31.6	27.5
ACDMR2313TSPV-820MT	82±20%	7.7	9	10	12	34.2	31
ACDMR2313TSPV-101MT	100±20%	7.5	9	9.5	11	40	36

1. Comply with AEC-Q200

2. Operating Temp:-55~+150°C

3. Storage Temp:-55~+150°C (on board)

4. Test frequency: Ls: 100KHz/1V

5. Saturation Rated Current: DC current(A) that will cause Lo to drop approximately 30%

6. Temperature Rise Current: DC current(A) that will cause an approximate ΔT of 40°C