

Features

- 4 ~ 10 ϕ , 105°C, 3,000 hours assured.
- Long life assured.
- Designed for surface mounting on high density PC board.
- RoHS Compliance

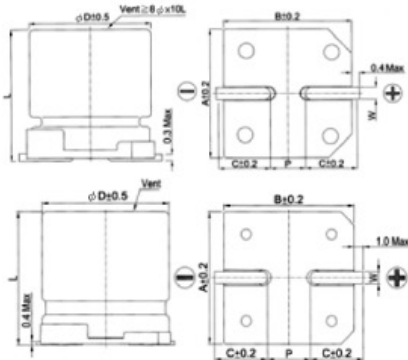


SPECIFICATIONS

Items	Performance																							
Operating Temperature Range	-40°C ~ +105°C																							
Capacitance Tolerance	±20% (at 120Hz, 20°C)																							
Leakage Current (at 20°C)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF V = rated DC working voltage in V																							
Dissipation Factor (Tan δ at 120Hz, 20°C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.30</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> </tbody> </table>	Rated Voltage	6.3	10	16	25	35	50	Tan δ (max)	0.30	0.24	0.20	0.16	0.13	0.12									
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Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>10</td> <td>7</td> <td>5</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage		6.3	10	16	25	35	50	Impedance Ratio	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	Z(-40°C)/Z(+20°C)	10	7	5	3	3	3
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Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test.																							
Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th>V.DC(V)</th> <th colspan="4">Freq.(Hz)</th> </tr> <tr> <th></th> <th>50</th> <th>120</th> <th>1K</th> <th>10K up</th> </tr> </thead> <tbody> <tr> <td>6.3 ~ 50</td> <td>0.70</td> <td>1.00</td> <td>1.36</td> <td>1.50</td> </tr> </tbody> </table>	V.DC(V)	Freq.(Hz)					50	120	1K	10K up	6.3 ~ 50	0.70	1.00	1.36	1.50								
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DIAGRAM OF DIMENSIONS

Fig. 1



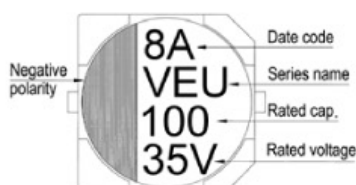
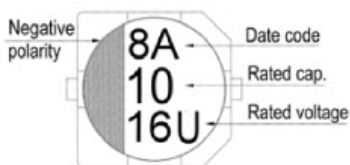
LEAD SPACING AND DIAMETER

Unit: mm						
φD	L	A	B	C	W	P±0.2
4	5.7±0.3	4.3	4.3	2.0	0.5 ~ 0.8	1.0
5	5.7±0.3	5.3	5.3	2.3	0.5 ~ 0.8	1.5
6.3	5.7±0.3	6.6	6.6	2.7	0.5 ~ 0.8	2.0
6.3	7.7±0.3	6.6	6.6	2.7	0.5 ~ 0.8	2.0
8	10±0.5	8.4	8.4	3.0	0.7 ~ 1.1	3.1
10	10±0.5	10.4	10.4	3.3	0.7 ~ 1.1	4.7

MARKING

φD ≤ 6.3mm

φD = 8 ~ 10 mm



Dimension: $\phi D \times L$ (mm)

Ripple Current: mA/rms at 120 Hz, 105°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V DC μF	Contents	6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
		$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA
0.1	0R1											4×5.7	1
0.22	R22											4×5.7	2.6
0.33	R33											4×5.7	3.2
0.47	R47											4×5.7	5
1	010											4×5.7	8
2.2	2R2											4×5.7	12
3.3	3R3											4×5.7	17
4.7	4R7									4×5.7	16	5×5.7	22
10	100					4×5.7	18	5×5.7	27	5×5.7	27	6.3×5.7	32
22	220	4×5.7	22	4×5.7	30	5×5.7	30	6.3×5.7	44	6.3×5.7	44	6.3×7.7	58
33	330	5×5.7	35	5×5.7	35	6.3×5.7	48	6.3×5.7	50	6.3×7.7	57	8×10	130
47	470	5×5.7	38	6.3×5.7	50	6.3×5.7	50	6.3×7.7	63	8×10	141	8×10	141
100	101	6.3×5.7	69	6.3×7.7	81	6.3×7.7	81	8×10	141	10×10	290	10×10	310
220	221	6.3×7.7	120	8×10	141	8×10	141	10×10	290	10×10	320		
330	331	8×10	290	10×10	290	10×10	290	10×10	320				
470	471	10×10	320	10×10	320	10×10	320						
1,000	102	10×10	410										