

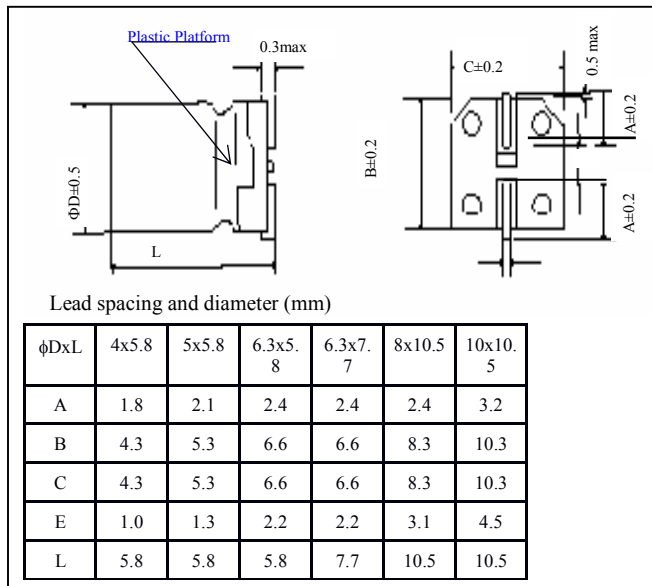
- Wide temperature range $-55^{\circ}\text{C}\sim 105^{\circ}\text{C}$ with load life of 2000~3000 hours
- Lead free soldering product is available subject to customer's request



SPECIFICATIONS

Item	Characteristics																							
Operating Temperature Range ($^{\circ}\text{C}$)	$-55\sim+105^{\circ}\text{C}$																							
Leakage Current (μA)	After 2 minutes application of rated voltage, leakage current is not more than 0.002 CV or 0.5 μA , whichever is greater.																							
Capacitance Tolerance (20 $^{\circ}\text{C}$, 120 Hz)	$\pm 20\%$ at 120 Hz, 20 $^{\circ}\text{C}$																							
Surge Voltage & Max Tan δ 120Hz, Temperature 20 $^{\circ}\text{C}$	<table border="1"> <thead> <tr> <th>Rated voltage (V)</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</td> <td>0.28</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 (V)	6.3	10	16	25	35	50	Tan δ	0.28	0.24	0.20	0.16	0.13	0.12									
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Shelf Life	After leaving capacitors under no load at 105 $^{\circ}\text{C}$ for 1000 hours, they meet the specified value for load life characteristics listed above.																							
Resistance to soldering heat	After re-flow soldering according to re-flow soldering condition and restored at room temperature, they meet the characteristics requirements listed at right <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within $\pm 10\%$ of initial value</td> </tr> <tr> <td>Tan δ</td> <td>High specified value or less</td> </tr> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> </tbody> </table>	Capacitance Change	Within $\pm 10\%$ of initial value	Tan δ	High specified value or less	Leakage Current	Initial specified value or less																	
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DIMENSIONS



MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient		50Hz	120Hz	300Hz	1kHz	10kHz
Coefficient Cap(μF)	~47	0.70	1.00	1.17	1.36	1.50
	100~1000	0.85	1.00	1.08	1.20	1.30

