

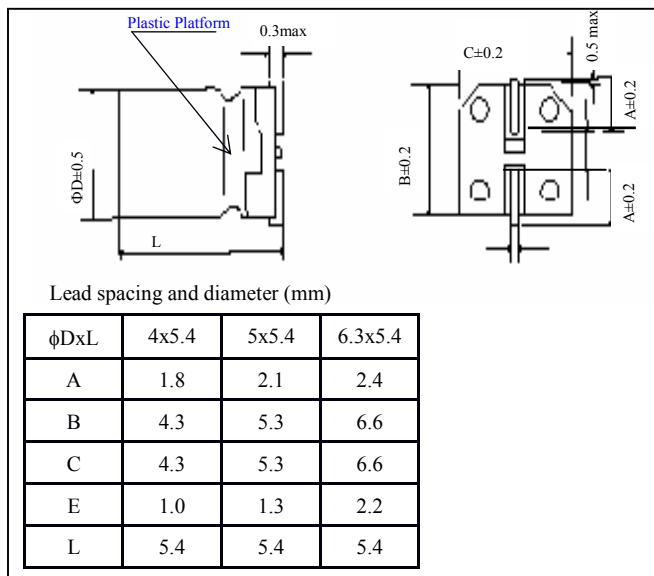
- Non polar with wide temperature range -55°C to $+105^{\circ}\text{C}$
- Lead-free soldering product is available subject to customers request



■ 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 0.05CV or $10\mu\text{A}$, whichever is greater.																							
Capacitance Tolerance ($20^{\circ}\text{C}, 120\text{Hz}$)	$\pm 20\%$ at $120\text{Hz}, 20^{\circ}\text{C}$																							
Surge Voltage & Max $\text{Tan } \delta$ $120\text{Hz}, \text{Temperature } 20^{\circ}\text{C}$	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tan δ</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.17</td> <td>0.15</td> <td>0.15</td> </tr> </table>	Rated voltage (V)	6.3	10	16	25	35	50	Tan δ	0.24	0.20	0.17	0.17	0.15	0.15									
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Low Temperature Stability	<table border="1"> <tr> <td colspan="2">Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td rowspan="2">Impedance Ratio $Z_T/Z_{20}(\text{max})$</td> <td>$Z_{-25^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}}$</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>$Z_{-40^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}}$</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	Rated voltage (V)		6.3	10	16	25	35	50	Impedance Ratio $Z_T/Z_{20}(\text{max})$	$Z_{-25^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}}$	4	3	2	2	2	2	$Z_{-40^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}}$	8	6	4	4	3	3
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Load Life (85°C)	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within $\pm 20\%$ of initial value</td> </tr> <tr> <td>Tan δ</td> <td>Initial specified value or less</td> </tr> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> </table>	Capacitance Change	Within $\pm 20\%$ of initial value	Tan δ	Initial specified value or less	Leakage Current	Initial specified value or less																	
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Applicable Standards	JIS C-5141 and JIS C-5102																							
Resistance to soldering heat	After re-flow soldering according to re-flow soldering condition and restored at room temperature, the meet the characteristics requirements listed at right <table border="1"> <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></td> <td></td> </tr> </table>	Capacitance Change	Within $\pm 10\%$ of initial value	Tan δ	High specified value or less																			
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■ DIMENSIONS



■ MULTIPLIER FOR RIPPLE CURRENT

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz
Coefficient	0.70	1.00	1.17	1.36	1.50

