



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS ML

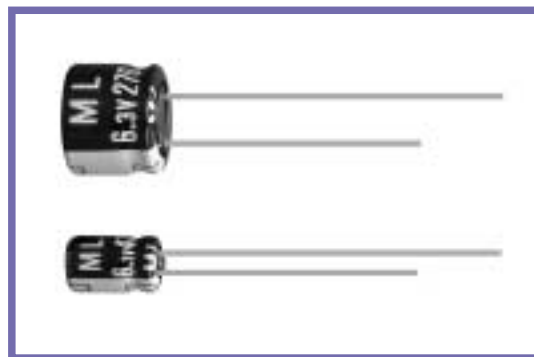
ML SERIES

NEW

105°C Long Life, 5mm~10mm Height.

◆FEATURES

- Load Life : 105°C 3000hours.



◆SPECIFICATIONS

Items	Characteristics																					
Category Temperature Range	-40~+105°C																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	±20% (20°C, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																					
Dissipation Factor(MAX)	<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>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table> (20°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	tan δ	0.40	0.35	0.30	0.25	0.20	0.20							
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Endurance	After life test for 3000hrs with rated Ripple current, the capacitors Shall meet the following requirement. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±30% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within ±30% of the initial value.	Dissipation Factor	Not more than 300% of the specified value.	Leakage Current	Not more than the specified value.															
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Low Temperature Stability Impedance Ratio(MAX)	<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>Z(-25°C)/Z(20°C)</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> </tr> </tbody> </table> (120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50	Z(-25°C)/Z(20°C)	6	4	4	3	2	2	Z(-40°C)/Z(20°C)	12	10	8	6	4	4
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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60 (50)	120	500	1k	10k≤
1 μF	0.50	1.0	1.20	1.30	1.50
1.5~6.8 μF	0.65	1.0	1.20	1.30	1.50
10~82 μF	0.80	1.0	1.20	1.30	1.50
100~1000 μF	0.80	1.0	1.10	1.15	1.20

◆PART NUMBER

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Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

