

General Purpose																																																									
Product Name :	Aluminum Electrolytic Capacitors																																																								
Goods of Description :	These capacitors are designed primarily for use coupling, decoupling, and filters for electronic circuits of low voltage. They have found widespread acceptance in the radio and television industry, and in industrial electronics.																																																								
Features :	Standard series for general purpose																																																								
Specification :	<p>ALUMINUM ELECTROLYTIC CAPACITORS</p> <p>Specification</p> <table border="1"> <thead> <tr> <th>Items</th> <th colspan="2">Performance</th> </tr> </thead> <tbody> <tr> <td>Capacitance Tolerance</td> <td colspan="2">± 20% (at 120Hz, 25 °C)</td> </tr> <tr> <td>Rated Voltage Range</td> <td>6.3 to 50 VDC</td> <td>100 to 450 VDC</td> </tr> <tr> <td>Capacitance Range</td> <td>0.47 to 6800 uF</td> <td>0.47 to 680 uF</td> </tr> <tr> <td>Operating Temperature Range</td> <td>-40 to + 105 °C</td> <td>-40 to + 105°C</td> </tr> <tr> <td>Leakage Current (at 25 °C)</td> <td colspan="2">After 3 minutes application of working voltage. I=Leakage current (uA), C=Rated capacitance (uF), V=Rated voltage (V)</td> </tr> <tr> <td rowspan="2">Dissipation Factor (Tan δ at 120Hz, 25 °C)</td> <td>Rated Voltage</td> <td>6.3 10 16 25 35 50 63 100 200 400 450</td> </tr> <tr> <td>Tan δ (max)</td> <td>0.28 0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.25 0.25</td> </tr> <tr> <td rowspan="3">Low Temperature Characteristics (at 120Hz)</td> <td colspan="2">Impedance ration max.</td> </tr> <tr> <td>Rated Voltage</td> <td>6.3 10 16 25 35 50 63 100 200 400 450</td> </tr> <tr> <td>-25 °C /25 °C</td> <td>4 3 2 2 2 2 2 2 8 12 12</td> </tr> <tr> <td rowspan="3">Load Life</td> <td colspan="2">After 1000 hours application of W.V. at 105 °C the capacitor shall meet the following limits.</td> </tr> <tr> <td colspan="2">Capacitance change : ≤± 25% of initial value</td> </tr> <tr> <td colspan="2">Dissipation factor : ≤ 200% of initial specified value</td> </tr> <tr> <td rowspan="3">Shelf Life</td> <td colspan="2">After storage for 500 hours at 105 °C , with no voltage applied and being stabilized at + 25 °C , Capacitor shall meet the specified in load life.</td> </tr> <tr> <td>Freq.(Hz) Cap.(uF)</td> <td>60 (50) 120 1K 10K 100K</td> </tr> <tr> <td>Under 100</td> <td>0.60 0.90 1.00 1.10 1.10</td> </tr> <tr> <td rowspan="3">Ripple Current & Frequency Multipliers</td> <td>100 to 1000</td> <td>0.65 0.90 1.00 1.00 1.00</td> </tr> <tr> <td>1000 up above</td> <td>0.70 0.90 1.00 1.00 1.00</td> </tr> <tr> <td>Temperature (°C)</td> <td>85 105</td> </tr> <tr> <td rowspan="2">Ripple Current & Temperature Multipliers</td> <td>Multiplier</td> <td>1.10 0.90</td> </tr> <tr> <td>Standards</td> <td>Satisfied Characteristic W of JIS C</td> </tr> </tbody> </table>	Items	Performance		Capacitance Tolerance	± 20% (at 120Hz, 25 °C)		Rated Voltage Range	6.3 to 50 VDC	100 to 450 VDC	Capacitance Range	0.47 to 6800 uF	0.47 to 680 uF	Operating Temperature Range	-40 to + 105 °C	-40 to + 105°C	Leakage Current (at 25 °C)	After 3 minutes application of working voltage. I=Leakage current (uA), C=Rated capacitance (uF), V=Rated voltage (V)		Dissipation Factor (Tan δ at 120Hz, 25 °C)	Rated Voltage	6.3 10 16 25 35 50 63 100 200 400 450	Tan δ (max)	0.28 0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.25 0.25	Low Temperature Characteristics (at 120Hz)	Impedance ration max.		Rated Voltage	6.3 10 16 25 35 50 63 100 200 400 450	-25 °C /25 °C	4 3 2 2 2 2 2 2 8 12 12	Load Life	After 1000 hours application of W.V. at 105 °C the capacitor shall meet the following limits.		Capacitance change : ≤± 25% of initial value		Dissipation factor : ≤ 200% of initial specified value		Shelf Life	After storage for 500 hours at 105 °C , with no voltage applied and being stabilized at + 25 °C , Capacitor shall meet the specified in load life.		Freq.(Hz) Cap.(uF)	60 (50) 120 1K 10K 100K	Under 100	0.60 0.90 1.00 1.10 1.10	Ripple Current & Frequency Multipliers	100 to 1000	0.65 0.90 1.00 1.00 1.00	1000 up above	0.70 0.90 1.00 1.00 1.00	Temperature (°C)	85 105	Ripple Current & Temperature Multipliers	Multiplier	1.10 0.90	Standards	Satisfied Characteristic W of JIS C
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Application :	*Designed in high CV value with small size suitable for consumer electronics product use *Life guaranteed 2,000 hours/85 °C																																																								

