



Aluminum Electrolytic Capacitors

RXQ

Features

- 105°C, 8,000 ~ 10,000 hours assured
- Suitable for switching power supplies, UPS, Ballast
- Smaller case size current
- RoHS Compliance



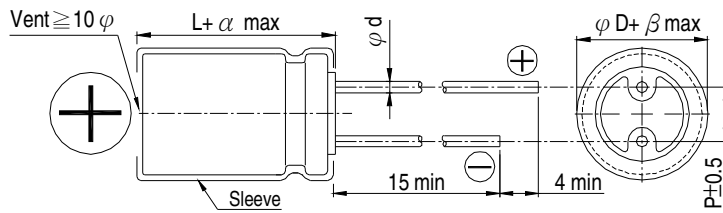
Sleeve & Marking Color: Black & Golden

SPECIFICATIONS

Items	Performance																												
Category Temperature Range	160 ~ 400V	450V																											
	-40°C ~ +105°C	-25°C ~ +105°C																											
Capacitance Tolerance	±20% (at 120Hz, 20°C)																												
Leakage Current (at 20°C)	<table border="1"> <thead> <tr> <th>Time</th> <th colspan="2">after 5 minutes</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Leakage Current</td> <td>CV ≤ 1,000 I = 0.03CV + 15(μA)</td> <td>CV > 1,000 I = 0.02CV + 25(μA)</td> </tr> </tbody> </table>		Time	after 5 minutes		Leakage Current	CV ≤ 1,000 I = 0.03CV + 15(μA)	CV > 1,000 I = 0.02CV + 25(μA)																					
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	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>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </tbody> </table>						Rated Voltage	160	200	250	350	400	450	Tan δ (max)	0.20	0.20	0.20	0.24	0.24	0.24									
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Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																												
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Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th>Frequency (Hz)</th> <th>120</th> <th>1k</th> <th>10k</th> <th>100k up</th> </tr> </thead> <tbody> <tr> <td>Cap. (μF)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6.8 ~ 82</td> <td>1.00</td> <td>1.75</td> <td>2.25</td> <td>2.50</td> </tr> <tr> <td>100 up</td> <td>1.00</td> <td>1.67</td> <td>2.05</td> <td>2.25</td> </tr> </tbody> </table>				Frequency (Hz)	120	1k	10k	100k up	Cap. (μF)					6.8 ~ 82	1.00	1.75	2.25	2.50	100 up	1.00	1.67	2.05	2.25					
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DIAGRAM OF DIMENSIONS



Unit: mm

LEAD SPACING AND DIAMETER

ϕD	10	12.5	16	18
P	5.0		7.5	
ϕd	0.6		0.8	
α	1.5			
β	0.5			

DIMENSION & PERMISSIBLE RIPPLE CURRENT

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

Ripple Current: mA/rms at 105°C

V.DC Contents μF	160V (2C)				200V (2D)				250V (2E)				350V (2V)				400V (2G)			
	$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current		$\phi D \times L$	Ripple Current			
		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		120 Hz	100k Hz		
6.8										10x16	110	275	10x16	110	275					
10	10x16	125	313	10x16	125	313	10x20	140	350	10x20	140	350	10x20	140	350					
22	10x20	200	500	10x20	200	500	10x20	200	500	12.5x20	260	650	12.5x20	260	650					
33	10x20	250	625	10x20	260	650	12.5x20	320	800	16x20	360	900	16x20	360	900					
47	10x20	300	750	12.5x20	390	975	12.5x20	390	975	16x20	430	1,075	16x25 18x20	470 450	1,175 1,125					
68	12.5x20	470	1,175	12.5x20	470	1,175	16x20	520	1,300	16x25 18x20	560 550	1,400 1,375	18x25	585	1,463					
82	12.5x20	510	1,275	16x20	550	1,375	16x20	550	1,375	18x25	610	1,525	18x25	610	1,525					
100	12.5x25 16x20	620 630	1,395 1,418	16x20	630	1,418	16x25	680	1,530	18x25	700	1,575	18x31.5	765	1,721					
120										18x31.5	830	1,868	18x35.5	865	1,946					
150	16x20	770	1,733	16x25	840	1,890	18x25	860	1,935	18x35.5	960	2,160	18x40	985	2,216					
220	16x25	1,020	2,295	18x25	1,050	2,363	18x31.5	1,130	2,543											
330	18x31.5	1,390	3,128	18x35.5	1,430	3,218														

V.DC Contents μF	450V (2W)			
	$\phi D \times L$	Ripple Current		
		120 Hz	100k Hz	
6.8	10x20	110	275	
10	12.5x20	180	450	
22	16x20	290	725	
33	16x25 18x20	390 380	975 950	
47	18x25	480	1,200	
68	18x31.5	630	1,575	
82	18x35.5	715	1,788	
100	18x40	800	1,800	

Remark: The case size of 16x20, 18x20 and 18x25 are used flat type rubber bung