

Features

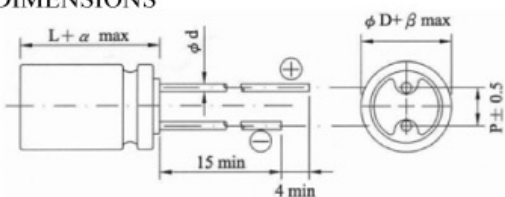
- 105°C, 5,000 hours assured
- Ultra low ESR with large permissible ripple current
- RoHS Compliance



SPECIFICATIONS

Items	Performance										
Operating Temperature Range	-55°C ~ +105°C										
Capacitance Tolerance	±20% (at 120Hz, 20°C)										
Leakage Current (at 20°C)	See the Dimension & Permissible Ripple Current										
Dissipation Factor (Tan δ at 120Hz, 20°C)	See the Dimension & Permissible Ripple Current										
ESR (at 100K~300KHz, 20°C)	See the Dimension & Permissible Ripple Current										
Load Life Test	<table border="1"> <tr><td>Test Time</td><td>5,000 hrs</td></tr> <tr><td>Capacitance Change</td><td>Within ±20% of initial value</td></tr> <tr><td>Dissipation Factor</td><td>Less than 200% of specified value</td></tr> <tr><td>ESR</td><td>Less than 200% of specified value</td></tr> <tr><td>Leakage Current</td><td>Within specified value</td></tr> </table>	Test Time	5,000 hrs	Capacitance Change	Within ±20% of initial value	Dissipation Factor	Less than 200% of specified value	ESR	Less than 200% of specified value	Leakage Current	Within specified value
	Test Time	5,000 hrs									
	Capacitance Change	Within ±20% of initial value									
	Dissipation Factor	Less than 200% of specified value									
	ESR	Less than 200% of specified value									
Leakage Current	Within specified value										
*The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 5,000 hours at 105°C.											
Moisture Resistance	<table border="1"> <tr><td>Test Time</td><td>1,000 hrs</td></tr> <tr><td>Capacitance Change</td><td>Within ±20% of initial value</td></tr> <tr><td>Dissipation Factor</td><td>Less than 150% of specified value</td></tr> <tr><td>ESR</td><td>Less than 150% of specified value</td></tr> <tr><td>Leakage Current</td><td>Within specified value</td></tr> </table>	Test Time	1,000 hrs	Capacitance Change	Within ±20% of initial value	Dissipation Factor	Less than 150% of specified value	ESR	Less than 150% of specified value	Leakage Current	Within specified value
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	Dissipation Factor	Less than 150% of specified value									
	ESR	Less than 150% of specified value									
Leakage Current	Within specified value										
*The above specifications shall be satisfied when the capacitors are restored to 20°C after subjecting them at 60°C, 90 to 95% RH for 1,000 hours. Leakage current should be tested after voltage treatment.											
Ripple Current & Frequency Multipliers	<table border="1"> <tr> <th>Frequency (Hz)</th> <th>120 ≤ f < 1K</th> <th>1K ≤ f < 10K</th> <th>10K ≤ f < 100K</th> <th>100K ≤ f < 500K</th> </tr> <tr> <th>Multiplier</th> <td>0.05</td> <td>0.3</td> <td>0.7</td> <td>1.0</td> </tr> </table>	Frequency (Hz)	120 ≤ f < 1K	1K ≤ f < 10K	10K ≤ f < 100K	100K ≤ f < 500K	Multiplier	0.05	0.3	0.7	1.0
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DIAGRAM OF DIMENSIONS



Unit: mm

LEAD SPACING AND DIAMETER

φ D	8	10
L	11.5	12.5
P	3.5	5.0
φ d	0.6	
α	1.0	1.5
β	0.5	

MARKING



Dimension: φ D×L(mm)

Ripple Current: mA/rms at 100KHz, 105°C

DIMENSION & PERMISSIBLE

W. V. (V)	Capacitance (μF)	Size φ D×L(mm)	Tan δ (120Hz, 20°C)	L C (μA)	ESR (mΩ/at 100K ~ 300K Hz, 20°C Max)	Rated R. C. (mA/rms at 100KHz, 105°C)
6.3V(0J)	390	8×11.5	0.15	491	12	3,400
	470	8×11.5	0.15	592	12	3,400
	820	10×12.5	0.15	1033	10	4,000
10V (1A)	330	8×11.5	0.12	660	14	3,100
	560	10×12.5	0.12	1,360	12	3,800
16V(1C)	180	8×11.5	0.12	576	16	3,000
	330	10×12.5	0.12	1,056	14	3,600