



Features

- 105°C, 12000 hours, high Ripple, Long life.
- Designed for electronic ballast, energy-saving lamps and special lighting power.

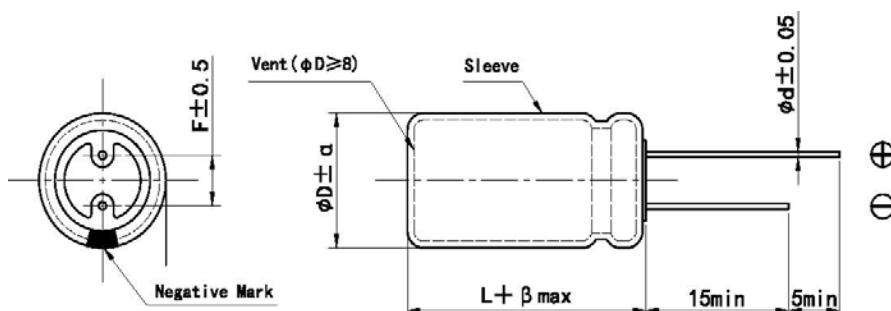


◆ Specifications

Items	Characteristics												
Rated Voltage Range	160~450V. DC												
Operating Temperature Rang	-40°C~+105°C												
Capacitance Tolerance	±20% (M) (25°C, 100 or 120Hz)												
Leakage Current	$I \leq 0.02CV + 10$ (μA) Where, I:Max. leakage current (μA), C:Nominal capacitance (μF), V:Rated voltage (V) At 25°C after 5 minutes.												
Dissipation Factor ($\tan \delta$)	(25°C, 100 or 120Hz) <table border="1"> <tr> <td>Rated voltage (V_{dc})</td> <td>160</td> <td>200</td> <td>250</td> <td>400</td> <td>450</td> </tr> <tr> <td>$\tan \delta$ (Max.)</td> <td>0.12</td> <td>0.12</td> <td>0.12</td> <td>0.15</td> <td>0.15</td> </tr> </table>	Rated voltage (V_{dc})	160	200	250	400	450	$\tan \delta$ (Max.)	0.12	0.12	0.12	0.15	0.15
Rated voltage (V_{dc})	160	200	250	400	450								
$\tan \delta$ (Max.)	0.12	0.12	0.12	0.15	0.15								
Low Temperature Characteristics (Max. Impedance Ratio)	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. <table border="1"> <tr> <td>Rated voltage (V_{dc})</td> <td>160~250</td> <td>400~450</td> </tr> <tr> <td>$Z_{-40^\circ C} / Z_{+20^\circ C}$</td> <td>6</td> <td>10</td> </tr> </table>	Rated voltage (V_{dc})	160~250	400~450	$Z_{-40^\circ C} / Z_{+20^\circ C}$	6	10						
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$Z_{-40^\circ C} / Z_{+20^\circ C}$	6	10											
Shelf Life	After storage at 105°C for 1000 hours, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>$\leq \pm 20\%$ of the initial value</td> </tr> <tr> <td>D.F. ($\tan \delta$)</td> <td>$\leq 200\%$ of the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>$\leq 500\%$ of the initial specified value</td> </tr> </table>	Capacitance Change	$\leq \pm 20\%$ of the initial value	D.F. ($\tan \delta$)	$\leq 200\%$ of the initial specified value	Leakage Current	$\leq 500\%$ of the initial specified value						
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D.F. ($\tan \delta$)	$\leq 200\%$ of the initial specified value												
Leakage Current	$\leq 500\%$ of the initial specified value												
Load Life	After application of rated voltage with rated ripple current for the 12000hours at +105°C, the capacitors shall meet the following limits. <table border="1"> <tr> <td>Capacitance Change</td> <td>$\leq \pm 20\%$ of the initial value</td> </tr> <tr> <td>D.F. ($\tan \delta$)</td> <td>$\leq 200\%$ of the initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>\leq the initial specified value</td> </tr> </table>	Capacitance Change	$\leq \pm 20\%$ of the initial value	D.F. ($\tan \delta$)	$\leq 200\%$ of the initial specified value	Leakage Current	\leq the initial specified value						
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D.F. ($\tan \delta$)	$\leq 200\%$ of the initial specified value												
Leakage Current	\leq the initial specified value												
Others	Meet Q/RME 91-2009, GB/T 5993-2003												

◆ Dimensions

mm



D	10	13	16	18
d	0.6		0.8	
F	5.0		7.5	
α	0.5			
β	2.0			



◆ Size And Max Ripple Current

Voltage (V)	Cap. (μF)	Size ΦD×L(mm)	tan δ	I _R (mA _{RMS} , 105°C, 100KHz)
160	10	10×16	0.12	174
	22	10×20	0.12	285
	33	13×20	0.12	405
	47	13×25	0.12	533
	68	16×25	0.12	720
	100	16×25	0.12	874
200	10	10×16	0.12	174
	22	10×20	0.12	285
	33	13×20	0.12	405
	47	13×25	0.12	533
	68	16×25	0.12	720
	100	18×25	0.12	935
250	10	10×16	0.12	174
	22	10×20	0.12	331
	33	13×20	0.12	405
	47	13×25	0.12	533
	68	16×25	0.12	720
	100	18×25	0.12	935
400	6.8	10×16	0.15	144
	10	10×20	0.15	192
	22	13×25	0.15	365
	33	16×25	0.15	502
	47	18×25	0.15	641
	68	18×30	0.15	833
450	6.8	10×20	0.15	159
	10	13×20	0.15	223
	22	16×25	0.15	410
	33	16×35	0.15	582
	47	18×35	0.15	741
	68	18×40	0.15	947

◆ Ripple Current Multiplier

Frequency Coefficient

Frequency (Hz)	50/60	100/120	1K	10K	100K
Coefficient	0.50	0.60	0.85	0.95	1.0