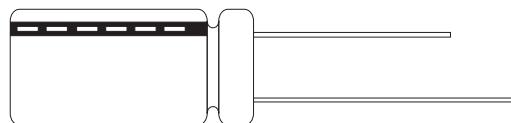


### FEATURES

- 105C, 5000 hours assured
- Low ESR, suitable for switching power supplies, UPS, Ballast
- Smaller size with large permissible ripple current



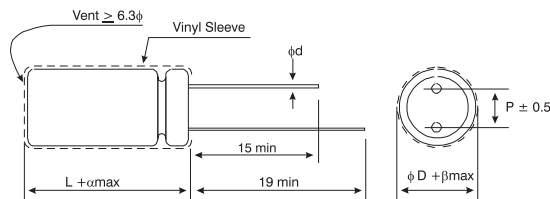
### SPECIFICATIONS

Item	Performance										
Rated Voltage Range	200 ~ 400V					450V					
Operating Temp.	-40°C ~+105°C					-25°C ~+105°C					
Capacitance Tolerance	± 20% (120Hz, 20°C)										
Leakage Current (at 20°C)	Time		After 5 minutes								
	Leakage Current	CV 1000					CV 1000				
		$I = 0.03CV (A)$					$I = 0.03CV (A)$				
Where, C= rated capacitance in F. V= rated DC working voltage in V.											
Dissipation Factor Tan at 120Hz, 20°C	Rated Voltage	200	250	350	400	450					
	Tan (max)	0.20	0.20	0.24	0.14	0.24					
Low Temperature Characteristics (at 120Hz)	Rated Voltage		200	250	350	400	450				
	Impedance Ratio	Z(-25°C)/Z(+20°C)	3	3	3	5	6				
		Z(-40°C)/Z(+20°C)	4	4	4	6					
Impedance ratio shall not exceed the values given in the table above.											
Load Life Test	Test Time	5000 hours									
	Capacitance Change	Within ±20% of initial value									
	Dissipation Factor	Less than 200% of specified value									
	Leakage Current	Within specified value									
The above specifications shall be satisfied when capacitors are restored to 20°C after voltage with rated rippled current applied for 5000 hours at 105°C.											
Shelf Life Test	Test time: 1000 hours; other items are the same as those for load life test.										
Ripple Current & Frequency Multipliers	D (mm)	Freq. (Hz)	120	1K	10K	100K up					
		10	0.8	1.0	1.25	1.40					
	12.5 ~ 18	0.8	1.0	1.15	1.25						
Other Standards	JIS C 5101-4										

### DIMENSIONS

Unit: mm

D	10	12.5	16	18
P	5.0		7.5	
d	0.6		0.8	
	1.5			
	0.5			



### DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Dimension: D x L (mm)  
Ripple Current: mA/rms at 120Hz, 105°C

V <sub>DC</sub> Content F	200V (2D)				250V (2E)				350V (2V)				400V (2G)				450V (2W)			
	D x L		Ripple Current		D x L		Ripple Current		D x L		Ripple Current		D x L		Ripple Current		D x L		Ripple Current	
			120Hz	100KHz			120Hz	100KHz			120Hz	100KHz			120Hz	100KHz			120Hz	100KHz
2.2										10 x 16	35	140								
3.3								10 x 16	37.5	150	10 x 16	37.5	150	10 x 16	38	150				
4.7								10 x 16	47	180	10 x 16	47	180	10 x 16	45	180				
6.8								10 x 16	47.5	190	10 x 16	72.5	290	10 x 20	55	220				
10	10 x 16	47.5	190	10 x 16	47.5	190	10 x 20	55	220	10 x 20	62.5	250	12.5 x 20	98	280					
22	10 x 20	80	320	12.5 x 20	137	390	12.5 x 25	147	420	12.5 x 25	147	420	16 x 25	182	520					
33	12.5 x 20	154	440	12.5 x 20	147	420	16 x 25	193	550	16 x 25	193	550	18 x 31.5	217	620					
47	12.5 x 25	200	570	16 x 25	217	620	16 x 31.5	245	700	16 x 31.5	245	700	18 x 31.5	277	790					
68	16 x 25	259	740	16 x 25	259	740	18 x 31.5	273	780	18 x 31.5	273	780	18 x 40	357	1020					
100	16 x 25	319	910	16 x 31.5	350	1000	18 x 35.5	368	1050	18 x 40	385	1100								
120	16 x 31.5	361	1030	18 x 31.5	399	1140	18 x 40	403	1150	18 x 45	420	1200								
150	16 x 31.5	424	1210	18 x 35.5	473	1350														
180	18 x 31.5	490	1400	18 x 40	536	1530														
220	18 x 35.5	578	1650	18 x 45	623	1780														
270	18 x 40	648	1850																	
330	18 x 45	735	2100																	