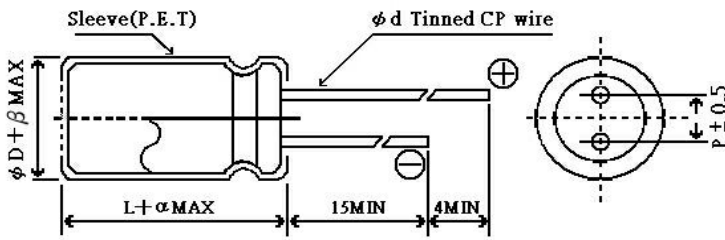


SPECIFICATIONS

Item	Performance Characteristics	
Operating Temperature Range	-25~+105°C	
Voltage Range	160~450V	
Capacitance Range	6.8~220 μ F	
Capacitance Tolerance	\pm 20% at 120Hz, 20°C	
Leakage Current	After 1 minute application of rated voltage, leakage current is 0.04CV+100(μ A) or less. After 5 minute application of rated voltage, leakage current is 0.02CV+25(μ A) or less.	
Tan δ	Measurement frequency: 120Hz, Temperature: 20°C	
	Rated voltage (V)	160 200 250 350 400 450
	Tan δ (MAX.)	0.15 0.15 0.15 0.20 0.20 0.20
Stability at Low Temperature	Measurement frequency: 120Hz	
	Rated Voltage (V)	160 200 250 350 400 450
	Impedance Ratio ZT/Z20 (MAX.)	Z-25°C/Z+20°C 3 3 3 6 6 6
Load Life	After an application of D.C. bias voltage plus the rated ripple current for 10000 hours (ϕ D=10 8000 hours) at 105°C the voltage shall not exceed the rated D.C. voltage, the capacitors meet peak the characteristic requirements shown on the right.	
	Capacitance Change	Within \pm 20% of initial value
	Tan δ	Not exceeding 200% of initial specified value
Shelf Life	After storing capacitors under no load at 105°C for 1000 hours. they will meet the specified value for endurance characteristics listed above.	

RADIAL LEAD TYPE



α	(L<20) 1.5
	(L \geq 20) 2.0

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

Frequency Coefficient of Allowable Ripple Current

Frequency	120Hz	1KHz	10KHz	100KHz
Coefficient	0.5	0.8	0.9	1.00

DIMENSIONS

D \times L (mm)

W. V. (Code)		160V(2C)	200V(2D)	250V(2E)	350(2V)	400V(2G)	450V(2W)						
S. V.		200	250	300	400	450	500						
Cap(μ F)													
6.8	6R8				10 \times 16	220	10 \times 16 220	10 \times 20 150					
10	100	10 \times 16	250	10 \times 16	250	10 \times 20	300	10 \times 20 280	10 \times 20 280	12.5 \times 20	320		
22	220	10 \times 20	500	10 \times 20	500	12.5 \times 20	600	12.5 \times 20	350	12.5 \times 25	430	16 \times 25	560
33	330	10 \times 20	565	12.5 \times 20	600	12.5 \times 20	630	16 \times 20	600	16 \times 25	640	16 \times 31.5 18 \times 25	700
47	470	12.5 \times 20	725	12.5 \times 20	780	12.5 \times 25	720	16 \times 25	700	16 \times 31.5 18 \times 25	840	18 \times 31.5	860
68	680	12.5 \times 25	950	12.5 \times 25	950	16 \times 25	1000	16 \times 31.5 18 \times 25	1100	18 \times 31.5	860	18 \times 31.5	880
100	101	16 \times 25	1280	16 \times 25	1280	16 \times 31.5 18 \times 25	1400			18 \times 40	880	18 \times 40	900
120	121											18 \times 40	900
150	151	16 \times 31.5 18 \times 25	1360	16 \times 31.5 18 \times 25	1360	18 \times 31.5	1500			18 \times 40	900	18 \times 40	920
180	181									18 \times 40	920		
220	221	16 \times 31.5 18 \times 25	1400	18 \times 31.5	1700							Case size	Allowable ripple

Allowable Ripple (mA rms) at 105°C 100KHz