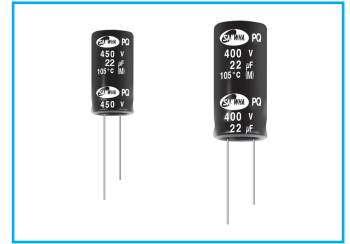
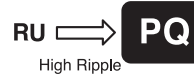


PQ For PSU, High Ripple Current, Long Life Series

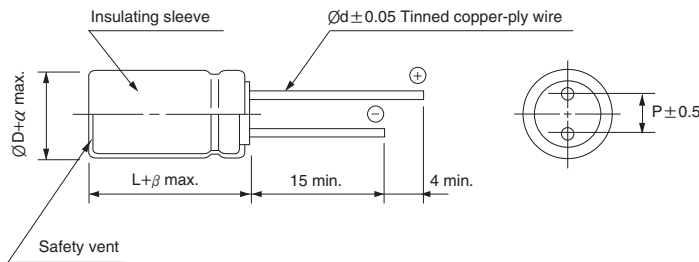
- High reliability withstanding 5000 hours load life at 105°C
- Suitable for CFL, adapter and power supply
- Complied to the RoHS directive



Item	Characteristics		
Operating temperature range	-25 ~ +105°C		
Leakage current max.	I = 0.02CV+25µA (after 5 minutes)		
Capacitance tolerance	±20% at 120Hz, 20°C		
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	400	450
	tanδ	0.20	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	400	450
	Z(-25°C) / Z(+20°C)	6	6
Load life	After an application of DC bias voltage plus the rated AC ripple current for 5000 hours at 105°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.		
	Leakage current	Less than specified value	
	Capacitance change	Within ±20% of initial value	
	tanδ	Less than 200% of specified value	
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4		

● DRAWING

Unit : mm



ØD	12.5	16	18	20
P	5.0	7.5	7.5	10.0
Ød	0.6	0.8	0.8	0.8
β		2.0		3.0
α		0.5		1.0

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF	WV	400		450	
		22	12.5 × 25	215	16 × 25
33	16 × 25	320	16 × 31.5	350	
47	16 × 31.5	375	16 × 31.5	350	
68	16 × 31.5	435	18 × 25	520	
82	18 × 31.5	500	18 × 31.5	600	
100	18 × 35.5	560	18 × 35.5	750	
120	18 × 40	625	18 × 40	850	
150	20 × 41	690	20 × 41	930	

Ripple current (mA rms) at 105°C, 120Hz
Case size ØD×L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

µF	Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz ≤
~ 68		0.80	1.00	1.60	1.80	1.90	2.00
	82 ~	0.50	1.00	1.08	1.33	1.50	1.67