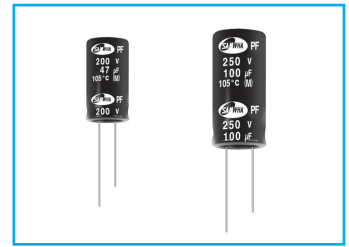


PF High Ripple Current, High Reliability Series

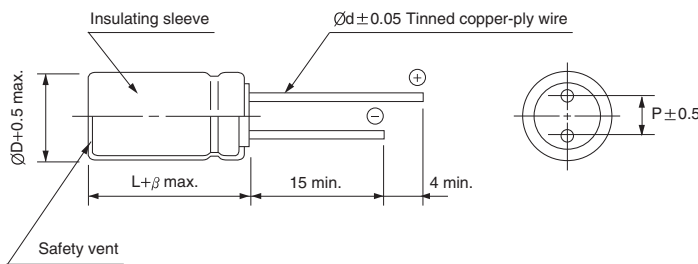


- High ripple current for diplay module
- High reliability withstanding 10000 hours load life at 105°C
- Suited for ballast application
- Complied to the RoHS directive

Item	Characteristics				
Operating temperature range	-40 ~ +105°C				
Leakage current max.	$I = 0.02CV + 15\mu A$ (after 5 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	160	200	250	275
	tanδ	0.15	0.15	0.15	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	275
	Z-40°C/Z+20°C	4	4	4	4
Load life	After an application of DC bias voltage plus the rated AC ripple current for 10000 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			
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	10	12.5	16	18
P	5.0	5.0	7.5	7.5
Ød	0.6	0.6	0.8	0.8
β	2.0			

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	160		200		250		275	
	10	10 × 16	320	10 × 16	320	10 × 16	320	
22	10 × 16	500	10 × 16	500	10 × 20	500	10 × 20	350
33	10 × 20	650	10 × 20	650	12.5 × 20	770	12.5 × 20	500
47	10 × 20	750	12.5 × 20	840	12.5 × 20	980	12.5 × 25	840
68	12.5 × 20	970	12.5 × 25	970	16 × 20	1080	16 × 25	970
82	12.5 × 25	1060	16 × 20	1125	16 × 20	1190	18 × 25	1100
100	12.5 × 25	1250	16 × 20	1230	16 × 25	1425	18 × 25	1400
120	16 × 20	1350	16 × 20, 18 × 20	1435	18 × 25	1660	18 × 31.5	1600
150	16 × 25	1610	18 × 25	1740	18 × 25	2000	18 × 35.5	1900
					18 × 31.5	2075		

Ripple current (mA rms) at 105°C, 100kHz
Case size ØD × L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency(Hz)	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz ≤
Coefficient	0.30	0.40	0.70	0.80	0.90	1.00