

FP Series

Features

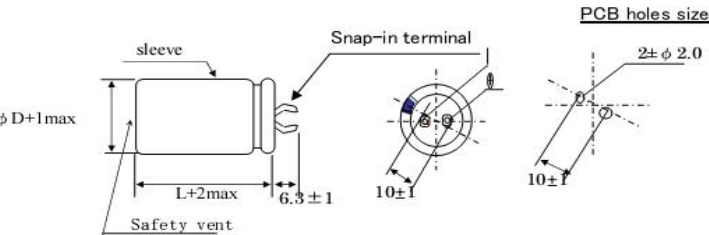
- ◆ Snap-in Terminal Type , 2000 hours at 105℃ .
- ◆ Height 20mm . Miniaturized.
- ◆ Voltage range of 160~400V .
- ◆ RoHS Compliant .



Specifications

Item	Performance Characteristics								
Temperature Range	-25~+105℃								
Rated Voltage Range	160~400Vdc								
Capacitance Range	47~680μF								
Capacitance Tolerance	±20%（120Hz，+20℃）								
Leakage Current （+20℃,max.）	$I\leq 3\sqrt{CV}$ （μA） （After 5 minute application of rated voltage at +20℃）								
Dissipation Factor(tgδ) 120Hz，+20℃	<table><tr><td>Working Voltage(Vdc)</td><td colspan="2">160~400</td></tr><tr><td>D.F(%)max.</td><td colspan="2">15</td></tr></table>			Working Voltage(Vdc)	160~400		D.F(%)max.	15	
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Low Temperature Characteristics(120Hz)	Impedance ratio max.								
	Working Voltage(Vdc)	160~250	315~400						
	Z-25℃/ Z+20℃	3	8						
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements.								
	Capacitance Change	Within ±20% of the initial value							
	Dissipation Factor	No more than 200% of the specification value							
	Leakage Current	No more than the specification value							
Shelf Life	After storing the capacitors under no load at 105℃ for 1000 hours, the characters shall meet the following requirements.								
	Capacitance Change	Within ±20% of the initial value							
	Dissipation Factor	No more than 200% of the specification value							
	Leakage Current	No more than 200% of the specification value							
Others	JISC-5101(IEC 60384)								

Dimensions



Frequency coefficient

Freq(Hz)	50 ( 60 )	120	1K	10~50K
WV(V)				
160~250	0.80	1.00	1.25	1.47
315~400	0.80	1.00	1.30	1.47

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Case size & Maximum permissible ripple current

Voltage	160V		200V		250V	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
82						
100						
120					22×20	0.60
150					25.4×20	0.74
180			22×20	0.80	25.4×20	0.75
220	22×20	0.81	25.4×20	0.80	30×20	0.95
270	25.4×20	0.98	30×20	1.05	30×20	1.00
330	25.4×20	1.08	30×20	1.10	35×20	1.16
390	30×20	1.25	35×20	1.30		
470	30×20	1.37	35×20	1.41		
560	35×20	1.53				
680	35×20	1.65				

Voltage	315V		350V		400V	
Cap(μF)	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
47					22×20	0.37
56					25.4×20	0.40
68			22×20	0.42	25.4×20	0.46
82	22×20	0.47	25.4×20	0.50	30×20	0.55
100	25.4×20	0.56	30×20	0.60	30×20	0.61
120	30×20	0.65	30×20	0.67	35×20	0.75
150	30×20	0.70	35×20	0.75	35×20	0.80
180	35×20	0.85	35×20	0.82		
220	35×20	0.90				

Size ΦD×L (mm), Ripple Current (A, rms. /105℃ 120Hz) .

Above size is the standard size for our product. If you need special size please contact our sales offices .