

PF Series

性能特点Feature

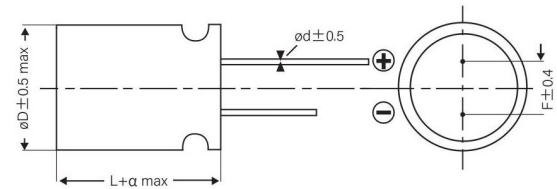
- Rate voltage: 2.5~100Vdc.
- Endurance: 5000hrs at 105°C
- Suitable for DC-DC converters, voltage regulators and decoupling applications
- RoHS Compliant



技术性能Specifications

Category Temperature Range	-55 to 105°C	Rated Voltage Range	2.5 to 100Vdc
Rated Capacitance Range	10 to 1500(μF)	Capacitance Tolerance	±20%(M)
Surge Voltage	Rated voltage X 1.15 (at 105°C)	Dissipation Factor	0.1 max.(at 20°C 120Hz)
Leakage Current	Shall not exceed values shown in standard ratings. (at 20°C after 2 mins.)		
Endurance	105°C, 5000hrs, rated voltage applied		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	
Damp Heat (Steady State)	60°C,90 to 95% RH, 1000hrs, no voltage applied		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	
Surge Voltage	1,000 cycles and each one includes charge with surge voltage specified at 105°C for 0.5min through a protective resistor (R=1kΩ) and discharge for 5.5min.		
	Appearance	No significant damage	
	Capacitance Change	≤ ±20% of the initial value	
	DF(tanδ)	≤ 150% of the initial specified value	
	ESR	≤ 150% of the initial specified value	
	Leakage current	≤ The initial specified value	

尺寸和标记Dimensions And Marking



SIZE Code	ΦD±0.5 max	L	α	Φd ±0.05	F±0.4
04X5	4.0	5.0	-0.5~1.0	0.45	1.5
05X8	5.0	8.0	-0.5~1.0	0.50	2.0
06X5	6.3	5.0	-0.5~1.0	0.45	2.5
06X8	6.3	8.0	-0.5~1.0	0.60	2.5
08X8	8.0	8.0	-0.5~1.0	0.60	3.5
08A2	8.0	12.0	-0.5~1.0	0.60	3.5
08A6	8.0	16.0	-0.5~1.0	0.60	3.5
08B0	8.0	20.0	-0.5~1.0	0.60	3.5
10A2	10.0	12.0	-0.5~1.0	0.60	5.0
10A6	10.0	16.0	-0.5~1.0	0.60	5.0
10B0	10.0	20.0	-0.5~1.0	0.60	5.0

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标准评级 Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩ max/20°C,100k to 300kHz)	Rated Ripple Current (mA _{rms} / 105°C/100kHz)
2.5 (2.9)	390	05X8	500	7	4180
	560	05X8	500	7	4180
	560	06X8	500	7	5000
	820	06X8	500	7	5000
	820	08X8	500	7	6100
	1000	08X8	500	7	6100
3 (3.4)	820	06X8	500	7	5000
4 (4.6)	560	06X8	500	7	5000
6.3 (7.2)	100	06X5	126	35	2100
	470	06X8	592	8	4700
	560	06X8	705	8	4700
	560	08X8	705	8	5700
	820	06X8	1033	8	4700
	820	08X8	1033	8	5700
10 (11.5)	10	04X5	300	80	700
16 (18.4)	100	06X5	320	24	2490
	100	06X8	320	25	2820
	270	06X8	864	10	5000
	270	08X8	864	10	5000
	270	08A2	864	10	5230
	470	08X8	1505	10	5000
	470	08A2	1505	10	5230
	470	10A2	1505	10	6100
	680	08A2	2176	10	5230
	820	08A2	2624	12	4950
	1,000	10A2	3200	12	5400
	1,200	10A2	3840	12	5400

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标准评级 Standard Ratings

WV/Vdc (SV)	Cap (μF)	Size Code	Leakage Current (μA)	ESR (mΩ max/20°C,100k to 300kHz)	Rated Ripple Current (mA _{rms} / 105°C/100kHz)
25 (28.8)	82	06X8	410	28	2700
	100	08A2	500	22	3600
	220	08A2	1100	16	4650
	330	08A2	1650	16	4650
	470	08A2	2350	16	4650
	560	10A2	2800	14	5100
	680	08A6	3400	14	5000
	680	10A2	3400	14	5100
	820	08B0	4100	13	5100
	1,000	10A6	5000	13	5200
	1,500	10B0	7500	13	5300
35 (40.3)	47	06X5	329	35	2300
	68	06X8	476	25	2600
	100	06X8	700	35	2350
	100	08X8	700	23	2800
	220	08A2	1540	25	2890
	330	10A2	2310	24	3400
	470	08B0	3290	20	4400
	470	10A6	3290	25	4000
	560	10A6	3920	23	4200
	680	10B0	4760	20	4800
50 (57.5)	120	08A2	1200	28	2620
	180	10A2	1800	28	3100
	220	10A2	2200	28	3100
	390	10B0	3900	23	3800
63 (72.5)	22	08X8	277	35	2100
	47	08A2	592	30	2500
	68	10A2	857	25	2500
	100	10A2	1260	30	2700
	180	10A2	2268	30	2700
80 (92)	22	08X8	352	40	1700
	47	10A2	752	32	2100
	82	10A2	1312	32	2200
100 (115)	22	10A2	440	45	1600
	47	10A2	940	35	2100

* 支持客户根据需求定制 Support Customer Customization According To Demand