

SOLID CAPACITOR

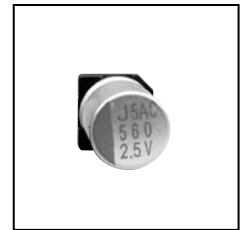
PF Series

Aluminum Solid Electrolytic Capacitor
With Conductive Polymer

PC ← → PS

JAMICON®

- Super low E.S.R. impedance and high heat resistance.
- Suitable for DC-DC converters, voltage regulators and decoupling applications used for computer motherboards etc.

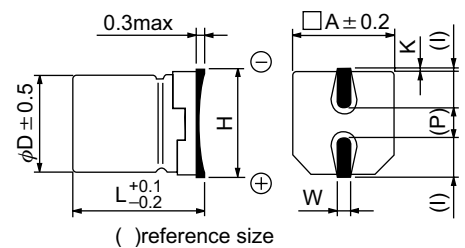


● SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-55 ~ +105°C					
Rated Working Voltage	2.5 ~ 16V					
Capacitance Tolerance (120Hz 20°C)	±20%					
Leakage Current (2min)	The initial specified value in Characteristic list					
Surge Voltage (20°C)	W.V.	2.5	4	6.3	10	16
	S.V.	2.8	4.6	7.2	11.5	18.4
Tangent of loss angle (120Hz)	The initial specified value or loss (in Characteristic list)					
Low Temperature Stability	Impedance ratio at 100kHz					
	Rated Voltage (V)	2.5	4	6.3	10	16
	-55°C / +20°C	0.75 ~ 1.25				
	+105°C / +20°C	0.75 ~ 1.25				
Load Life	After 2000 hours application of W.V. at +105°C, the capacitor shall meet the following limits.					
	Capacitance Change	≅ ±20% of the initial measured value				
	Dissipation Factor	≅ 150% of the initial specified value				
	Leakage current	≅ initial specified value				

● DIMENSIONS (mm)

D	L	A	H	I	W	P	K
5	5.4	5.3	6.5 max.	2.2	0.65	1.50	0.35
6.3	5.4	6.6	6.5 max.	2.6	0.65	2.10	0.35
8	6.2	8.3	9.5 max.	3.4	0.65	2.20	0.35
8	9.0	8.3	10.0 max.	3.4	0.90	3.10	0.70
10	6.2	10.3	12.0 max.	3.5	0.90	4.60	0.70
10	9	10.3	12.0 max.	3.5	0.90	4.60	0.70



● CASE SIZE & CHARACTERISTICS LIST

Rated Voltage (V.DC)	Rated Capacitance (μA)	Case size		Leakage Current (μA)	Tangent of loss angle (max)	E. S. R. at 100kHz (mΩ)	Allowable ripple current (mA.rms)	Part Number
		φD	L					
		(mm)						
2.5	56	5	5.4	28	0.06	40	1400	PFM560M0ED05W
4	47	5	5.4	38	0.06	40	1400	PFM470M0GD05W
6.3	39	5	5.4	49	0.06	45	1400	PFM390M0JD05W
10	33	5	5.4	66	0.05	50	1200	PFM330M1AD05W
16	18	5	5.4	58	0.05	55	1200	PFM180M1CD05W
2.5	120	6.3	5.4	60	0.06	35	1400	PFM121M0EE05W
4	100	6.3	5.4	80	0.06	35	1400	PFM101M0GE05W
6.3	82	6.3	5.4	103	0.06	40	1400	PFM820M0JE05W
10	68	6.3	5.4	136	0.05	45	1200	PFM680M1AE05W
16	47	6.3	5.4	150	0.05	50	1200	PFM470M1CE05W
2.5	220	8	6.2	110	0.06	25	2560	PFM221M0EF06W
4	180	8	6.2	144	0.06	25	2560	PFM181M0GF06W
6.3	150	8	6.2	189	0.06	30	2560	PFM151M0JF06W
10	120	8	6.2	240	0.05	40	2300	PFM121M1AF06W
16	82	8	6.2	262	0.05	40	2300	PFM820M1CF06W
2.5	470	8	9	235	0.06	10	4800	PFM471M0EF09W
	560	8	9	280	0.06	8	5500	PFM561M0EF09W
	680	8	9	340	0.06	8	5500	PFM681M0EF09W
	820	8	9	410	0.06	8	5500	PFM821M0EF09W
	1000	8	9	500	0.06	8	5500	PFM102M0EF09W
	1200	8	9	600	0.06	8	5500	PFM122M0EF09W
4	390	8	9	312	0.06	8	5500	PFM391M0GF09W
	560	8	9	448	0.06	8	5500	PFM561M0GF09W
	680	8	9	544	0.06	8	5500	PFM681M0GF09W
	820	8	9	656	0.06	8	5500	PFM821M0GF09W
	1000	8	9	800	0.06	8	5500	PFM102M0GF09W
6.3	330	8	9	416	0.06	13	4800	PFM331M0JF09W
	560	8	9	706	0.06	8	5500	PFM561M0JF09W
	680	8	9	857	0.06	8	5500	PFM681M0JF09W
10	270	8	9	540	0.05	10	4500	PFM271M1AF09W
	470	8	9	940	0.05	10	4800	PFM471M1AF09W
16	180	8	9	576	0.05	15	4400	PFM181M1CF09W
2.5	390	10	6.2	195	0.06	15	3700	PFM391M0EG06W
4	330	10	6.2	264	0.06	15	3700	PFM331M0GG06W
6.3	270	10	6.2	340	0.06	17	3700	PFM271M0JG06W
10	220	10	6.2	440	0.05	20	3300	PFM221M1AG06W
16	150	10	6.2	480	0.05	25	3300	PFM151M1CG06W
2.5	1500	10	9	750	0.06	7	6100	PFM152M0EG09W
	1800	10	9	900	0.06	7	6100	PFM182M0EG09W
	2200	10	9	1100	0.06	7	6100	PFM222M0EG09W
4	1200	10	9	960	0.06	7	6100	PFM122M0GG09W
	1500	10	9	1200	0.06	7	6100	PFM152M0GG09W
6.3	820	10	9	1033	0.06	7	6100	PFM821M0JG09W
	1000	10	9	1260	0.06	7	6100	PFM102M0JG09W
10	680	10	9	1360	0.05	8	5500	PFM681M1AG09W
	1000	10	9	2000	0.05	8	5500	PFM102M1AG09W
16	330	10	9	1056	0.05	13	5100	PFM331M1CG09W