Type PF 55 °C Photoflash, High-Energy, Long Life, 500 V, Aluminum



High Energy, Long-Life
Screw-Terminals Case Style

Type PF can withstand more than 100,000 full discharges in typical photoflash applications, and Type PF also delivers the higher energy density possible with a rated voltage of 500 V and higher capacitance values in screw-terminal style cans. Type PF is right for the highest flash-energy applications.

Highlights

- 100,000 flash capability
- 1 joule per cc energy density

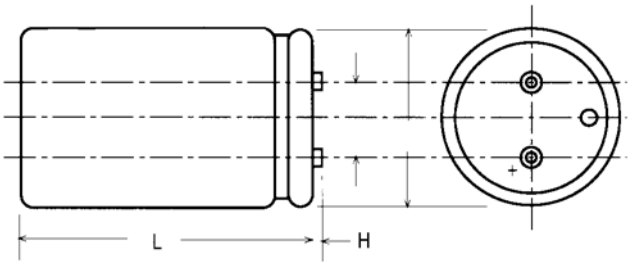
Specifications

Operating Temperature Range:	–20 °C to 55 °C
Rated Voltage:	500 Vdc
Capacitance:	600 to 2100 µF –10% +20%
Leakage Current:	1 times C in µA maximum
Dissipation Factor (Tanδ):	15% max. @ 25 °C & 120 Hz
Discharge Life:	100,000 minimum at 30 s interval
	Δ Capacitance ±10%
	ESR 150% of limit
	DCL 150% of limit
Shelf Life:	500 h @ 55 °C
	Δ Capacitance ±10%
	ESR 150% of limit
	DCL 150% of limit
Vibration:	10 to 55 Hz; 0.06” and 10 g max, 6 h vertical, 2 h. ea. 2 other planes

Outline Drawings

RoHS Compliant

Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).



Terminal Styles	Code	H (in)	H (mm)	Thread
Low Post	A	0.094	2.39	10-32
High Post	B	0.281	7.14	10-32

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Insulated Case Dimensions

Case Code	Diam. (D) ±0.031 Inches	Diam. (D) ±0.062 mm	Length (L) ±0.062 Inches	Length (L) ±1.57 mm	Terminals (S) ±0.015 Inches	Terminals (S) ±0.38 mm	Typical Weight oz	Typical Weight g
AK	1.399	35.5	1.687	42.8	0.500	12.7	1.9	53.9
AA	1.399	35.5	2.187	55.5	0.500	12.7	2.0	56.7
AH	1.399	35.5	2.687	68.2	0.500	12.7	2.7	76.5
AB	1.399	35.5	3.187	80.9	0.500	12.7	3.3	93.6
AJ	1.399	35.5	3.687	93.6	0.500	12.7	3.8	107.7
AC	1.399	35.5	4.187	106.3	0.500	12.7	4.4	124.7
AD	1.399	35.5	4.687	119.0	0.500	12.7	5.1	144.6
AE	1.399	35.5	5.187	131.7	0.500	12.7	5.7	161.6
AF	1.399	35.5	5.687	144.4	0.500	12.7	6.4	181.4
EA	1.774	45.1	2.187	55.5	0.750	19.1	2.7	76.5
EH	1.774	45.1	2.687	68.2	0.750	19.1	3.8	107.7
EB	1.774	45.1	3.187	80.9	0.750	19.1	5.1	144.6
EJ	1.774	45.1	3.687	93.6	0.750	19.1	6.8	192.8
EC	1.774	45.1	4.187	106.3	0.750	19.1	8.1	229.6
ED	1.774	45.1	4.687	119.0	0.750	19.1	9.9	280.7
EE	1.774	45.1	5.187	131.7	0.750	19.1	9.5	269.3
EF	1.774	45.1	5.687	144.4	0.750	19.1	10.5	297.7
BA	2.024	51.4	2.187	55.5	0.875	22.2	2.7	76.5
BH	2.024	51.4	2.687	68.2	0.875	22.2	5.4	153.1
BB	2.024	51.4	3.187	80.9	0.875	22.2	6.1	172.9
BJ	2.024	51.4	3.687	93.6	0.875	22.2	6.8	192.8
BC	2.024	51.4	4.187	106.3	0.875	22.2	8.2	232.5
BD	2.024	51.4	4.687	119.0	0.875	22.2	9.6	272.1
BE	2.024	51.4	5.187	131.7	0.875	22.2	10.3	292.0
BF	2.024	51.4	5.687	144.4	0.875	22.2	13.0	368.5

Part Numbering System

PF	212	V	500	BF	2	B
Type	Capacitance **601** = 600 µF **212** = 2100 µF	Tolerance –10 + 20%	Rated Voltage Vdc	Case Code	Insulation **0** = none **2** = PVC	Terminals **A** = Low post, 10-32 **B** = High post, 10-32

Ratings

Cap. (µF)	Catalog Part Number	ESR Max. +25 °C, 120 Hz (Ω)	Diameter (mm)	Diameter (in)	Length (mm)	Length (in)
500 Vdc (550 Vdc Surge)						
600	PF601V500AJ2B	0.332	35	1.38	92	3.63
800	PF801V500AD2B	0.249	35	1.38	117	4.63
900	PF901V500EJ2B	0.221	44	1.75	92	3.63
1000	PF102V500AF2B	0.199	35	1.38	143	5.63
1200	PF122V500BJ2B	0.166	51	2.00	92	3.63

Cap. (µF)	Catalog Part Number	ESR Max. +25 °C, 120 Hz (Ω)	Diameter (mm)	Diameter (in)	Length (mm)	Length (in)
500 Vdc (550 Vdc Surge)						
1300	PF132V500ED2B	0.153	44	1.75	117	4.63
1600	PF162V500BD2B	0.124	51	2.00	117	4.63
1700	PF172V500EF2B	0.117	44	1.75	143	5.63
2100	PF212V500BF2B	0.095	51	2.00	143	5.63

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