Type 932 Polypropylene Film Capacitors

Metallized Axial Leads



High Voltage/High Frequency Switching Power Supplies

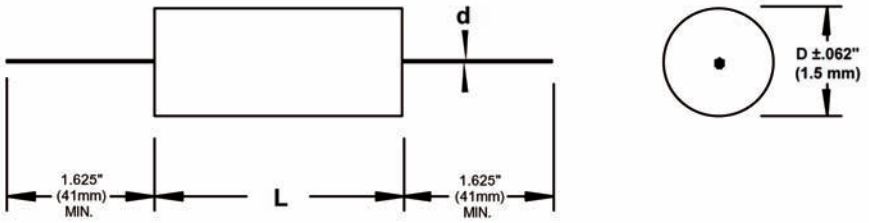
Type 932 axial-leaded, metallized polypropylene capacitors are available in a wide range of capacitance values in reduced sizes. Flame-retardant tape wrap and epoxy end seals provide moisture resistance. Used most frequently in high-voltage/high-frequency switching power supplies where superior stability and AC performance characteristics are important.

Specifications

Voltage Range:	250—700 Vdc (160-400 Vac, 60 Hz)
Capacitance Range:	1.0—30.0 µF
Capacitance Tolerance:	±5% (J) standard ±10% (K) optional
Operating Temperature Range:	–55 ºC to 105 ºC* *Full-rated voltage at 85 °C–Derate linearly to 50%-rated voltage at 105 °C
Dielectric Strength:	200% (1 minute)
Dissipation Factor:	.10% Max. (25 ºC, 1kHz)
Insulation Resistance:	200,000 M. x µF 400,000 M. Min.
Life Test:	1,000 Hours at 85 ºC at 125% Rated Voltage

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).



Ratings

Cap. (µF)	Catalog Part Number	D ±.062(1.5) Inches(mm)		L +.062(1.5) Inches(mm)		d Inches(mm)		Typical ESR @100 KHz milliohms	dV/dt V/µs	I peak A	I_{RMS} 70 °C 100 kHz (A)
250 Vdc(160 Vac)											
1	932C2W1J–F	0.433	11.0	0.748	19.0	.040	1.0	2.7	90	90	5
1.5	932C2W1P5J–F	0.394	10.0	1.220	31.0	.040	1.0	5.4	50	75	7
2.2	932C2W2P2J–F	0.453	11.5	1.220	31.0	.040	1.0	3.7	50	110	9
2.5	932C2W2P5J–F	0.472	12.0	1.220	31.0	.040	1.0	3.3	50	125	9
3	932C2W3J–F	0.531	13.5	1.220	31.0	.040	1.0	2.9	50	150	9
5	932C2W5J–F	0.669	17.0	1.220	31.0	.040	1.0	2.1	50	250	9
6.8	932C2W6P8J–F	0.787	20.0	1.220	31.0	.040	1.0	1.8	50	340	9
10	932C2W10J–F	0.787	20.0	1.654	42.0	.040	1.0	2.1	30	300	9
15	932C2W15J–F	0.965	24.5	1.654	42.0	.051	1.3	1.6	30	450	11
20	932C2W20J–F	1.102	28.0	1.654	42.0	.051	1.3	1.5	30	600	11
25	932C2W25J–F	1.240	31.5	1.654	42.0	.051	1.3	1.5	30	750	11
30	932C2W30J–F	1.161	29.5	2.165	55.0	.051	1.3	2.6	20	600	11
400 Vdc (250 Vac)											
0.68	932C4P68J–F	0.394	10.0	1.220	31.0	.040	1.0	7.4	70	48	6
1.00	932C4W1J–F	0.472	12.0	1.220	31.0	.040	1.0	5.1	70	70	8

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400 Vdc (250)											
1.50	932C4W1P5J–F	0.571	14.5	1.220	31	.040	1.0	3.6	70	105	9
2.00	932C4W2J–F	0.650	16.5	1.220	31	.040	1.0	2.9	70	140	9
2.20	932C4W2P2J–F	0.689	17.5	1.220	31	.040	1.0	2.8	70	155	9
2.50	932C4W2P5J–F	0.728	18.5	1.220	31	.040	1.0	2.5	70	175	9
3.00	932C4W3J–F	0.787	20.0	1.220	31	.040	1.0	2.3	70	210	9
4.00	932C4W4J–F	0.768	19.5	1.654	42	.040	1.0	3	50	200	9
4.70	932C4W4P7J–F	0.827	21.0	1.654	42	.040	1.0	2.7	50	235	9
5.00	932C4W5J–F	0.846	21.5	1.654	42	.040	1.0	2.6	50	250	9
6.80	932C4W6P8J–F	0.984	25.0	1.654	42	.051	1.0	2.1	50	340	11
10.00	932C4W10J–F	1.181	30.0	1.654	42	.051	1.3	1.8	50	500	11
15.00	932C4W15J–F	1.260	32.0	2.165	55	.051	1.3	3.1	30	450	11
600 Vdc (330 Vac)											
1.00	932C6W1J–F	0.61	15.5	1.220	31	.040	1.0	4.2	100	100	9
2.00	932C6W2J–F	0.728	18.5	1.654	42	.040	1.0	4.1	75	150	9
2.20	932C6W2P2J–F	0.768	19.5	1.654	42	.040	1.0	3.9	75	165	9
3.00	932C6W3J–F	0.886	22.5	1.654	42	.051	1.3	3.1	75	225	9
4.70	932C6W4P7J–F	1.083	27.5	1.654	42	.051	1.3	2.3	75	350	11
5.00	932C6W5J–F	1.122	28.5	1.654	42	.051	1.3	2.2	75	375	11
6.80	932C6W6P8J–F	1.122	28.5	2.165	55	.051	1.3	4.5	50	340	11
10.00	932C6W10J–F	1.358	34.5	2.165	55	.051	1.3	3.5	50	500	11
700 Vdc (400Vac)											
0.68	932C7P68J–F	0.669	17.0	1.220	31	.040	1.0	4.6	125	85	9
1.00	932C7W1J–F	0.807	20.5	1.220	31	.040	1.0	3.4	125	125	9
1.50	932C7W1P5J–F	0.807	20.5	1.654	42	.040	1.0	4.2	90	135	9
2.00	932C7W2J–F	0.925	23.5	1.654	42	.051	1.3	3.3	90	180	11
2.20	932C7W2P2J–F	0.965	24.5	1.654	42	.051	1.3	3.1	90	200	11
3.00	932C7W3J–F	1.122	28.5	1.654	42	.051	1.3	2.6	90	270	11
4.00	932C7W4J–F	1.299	33.0	1.654	42	.051	1.3	2.2	90	360	11
4.70	932C7W4P7J–F	1.181	30.0	2.165	55	.051	1.3	5.2	60	280	11
5.00	932C7W5J–F	1.201	30.5	2.165	55	.051	1.3	4.9	60	300	11