

Type 932 Polypropylene Film Capacitors

**Metallized
Axial Leads**



**High Voltage/High Frequency
Switching Power Supplies**

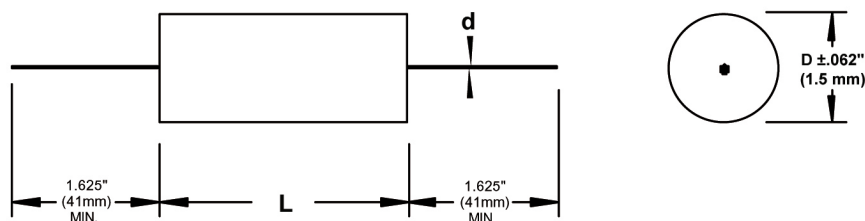
Type 932 axial-leaded, metallized polypropylene capacitors are available in a wide range of capacitance values in reduced sizes. Flame-retardant tape wrap and epoxy end seals provide moisture resistance. Used most frequently in high-voltage/high-frequency switching power supplies where superior stability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

Specifications

Capacitance Range	1.0 to 30.0 μ F
Capacitance Tolerance	$\pm 5\%$ (J) standard, $\pm 10\%$ (K) optional
Rated Voltage	250—700 Vdc (160-400 Vac, 60 Hz)
Operating Temperature Range	-55 °C to 105 °C* *Full-rated voltage at 85 °C—Derate linearly to 50%-rated voltage at 105 °C
Dielectric Strength	200% (1 minute)
Dissipation Factor @ 120 Hz, +25 °C	..10% Max. (25 °C, 1kHz)
Insulation Resistance	200,000 M. x μ F 400,000 M. Min.
Life Test	2,000 Hours at 85 °C at 125% Rated Voltage

Regulatory Information

Outline Drawing



Ratings

Cap. (μ F)	Catalog Part Number	D $\pm 0.062(1.5)$ Inches(mm)	L $+0.062(1.5)$ Inches(mm)	d Inches(mm)	Typical ESR @100 KHz milliohms	dV/dt V/ μ s	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	0.040 1.0	2.7	90	90	5
1.5	932C2W1P5J-F	0.394 10.0	1.220 31.0	0.040 1.0	5.4	50	75	7
2.2	932C2W2P2J-F	0.453 11.5	1.220 31.0	0.040 1.0	3.7	50	110	9
2.5	932C2W2P5J-F	0.472 12.0	1.220 31.0	0.040 1.0	3.3	50	125	9
3	932C2W3J-F	0.531 13.5	1.220 31.0	0.040 1.0	2.9	50	150	9
5	932C2W5J-F	0.669 17.0	1.220 31.0	0.040 1.0	2.1	50	250	9
6.8	932C2W6P8J-F	0.787 20.0	1.220 31.0	0.040 1.0	1.8	50	340	9
10	932C2W10J-F	0.787 20.0	1.654 42.0	0.040 1.0	2.1	30	300	9
15	932C2W15J-F	0.965 24.5	1.654 42.0	0.047 1.2	1.6	30	450	11
20	932C2W20J-F	1.102 28.0	1.654 42.0	0.047 1.2	1.5	30	600	11
25	932C2W25J-F	1.240 31.5	1.654 42.0	0.047 1.2	1.5	30	750	11
30	932C2W30J-F	1.161 29.5	2.165 55.0	0.047 1.2	2.6	20	600	11
400 Vdc (250 Vac)								
0.68	932C4P68J-F	0.394 10.0	1.220 31.0	0.040 1.0	7.4	70	48	6
1.00	932C4W1J-F	0.472 12.0	1.220 31.0	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	0.040	1.0	3.6	70	105	9
2.00	932C4W2J-F	0.650	16.5	1.220	31	0.040	1.0	2.9	70	140	9
2.20	932C4W2P2J-F	0.689	17.5	1.220	31	0.040	1.0	2.8	70	155	9
2.50	932C4W2P5J-F	0.728	18.5	1.220	31	0.040	1.0	2.5	70	175	9
3.00	932C4W3J-F	0.787	20.0	1.220	31	0.040	1.0	2.3	70	210	9
4.00	932C4W4J-F	0.768	19.5	1.654	42	0.040	1.0	3	50	200	9
4.70	932C4W4P7J-F	0.827	21.0	1.654	42	0.040	1.0	2.7	50	235	9
5.00	932C4W5J-F	0.846	21.5	1.654	42	0.040	1.0	2.6	50	250	9
6.80	932C4W6P8J-F	0.984	25.0	1.654	42	0.047	1.0	2.1	50	340	11
10.00	932C4W10J-F	1.181	30.0	1.654	42	0.047	1.2	1.8	50	500	11
15.00	932C4W15J-F	1.260	32.0	2.165	55	0.047	1.2	3.1	30	450	11
600 Vdc (250 Vac)											
1.00	932C6W1J-F	0.61	15.5	1.220	31	0.040	1.0	4.2	100	100	9
2.00	932C6W2J-F	0.728	18.5	1.654	42	0.040	1.0	4.1	75	150	9
2.20	932C6W2P2J-F	0.768	19.5	1.654	42	0.040	1.0	3.9	75	165	9
3.00	932C6W3J-F	0.886	22.5	1.654	42	0.047	1.2	3.1	75	225	9
4.70	932C6W4P7J-F	1.083	27.5	1.654	42	0.047	1.2	2.3	75	350	11
5.00	932C6W5J-F	1.122	28.5	1.654	42	0.047	1.2	2.2	75	375	11
6.80	932C6W6P8J-F	1.122	28.5	2.165	55	0.047	1.2	4.5	50	340	11
10.00	932C6W10J-F	1.258	34.5	2.165	55	0.047	1.2	3.5	50	500	11
700 Vdc (400Vac)											
0.68	932C7P68J-F	0.669	17.0	1.220	31	0.040	1.0	4.6	125	85	9
1.00	932C7W1J-F	0.807	20.5	1.220	31	0.040	1.0	3.4	125	125	9
1.50	932C7W1P5J-F	0.807	20.5	1.654	42	0.040	1.0	4.2	90	135	9
2.00	932C7W2J-F	0.925	23.5	1.654	42	0.047	1.2	3.3	90	180	11
2.20	932C7W2P2J-F	0.965	24.5	1.654	42	0.047	1.2	3.1	90	200	11
3.00	932C7W3J-F	1.122	28.5	1.654	42	0.047	1.2	2.6	90	270	11
4.00	932C7W4J-F	1.299	33.0	1.654	42	0.047	1.2	2.2	90	360	11
4.70	932C7W4P7J-F	1.181	30.0	2.165	55	0.047	1.2	5.2	60	280	11
5.00	932C7W5J-F	1.201	30.5	2.165	55	0.047	1.2	4.9	60	300	11

Part Numbering System

932	C	6	P	22	K	-F
Series	Termination Code	Voltage Code	Capacitance Decimal Point	Capacitance Significant figures in μ F	Tolerance Code	RoHS Compliant Indicator
932	C = Tinned Copper Wire F = Insulated Stranded Wire H = Tinned Lugs	2 = 200 Vdc 4 = 400 Vdc 6 = 600 Vdc 7 = 700 Vdc	S = 0.0 P = 0. W = No decimal point		K = $\pm 10\%$ J = $\pm 5\%$	

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