Type 936 Axial Leaded Metallized Polypropylene Capacitor

High Current Flat Axial Leaded Capacitors



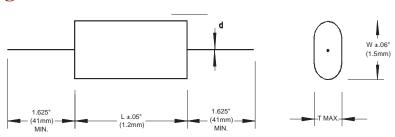
Type 936 flat axial leaded meltallized polypropylene capacitors are designed for 20 to 100 kHz switching power supply input filtering, DC blocking and output filter applications where high current, high capacitance and low ESR values are important. Dry sections are sealed with flame retandant outer wrap and epoxy end seals for moisture resistance.

Highlights

- Low ESR
- High current
- Flame retardant outer wrap and end seals

Specifications	• Flame retardant outer wrap and end seals				
Capacitance Range	4.7 to 10.0 μF				
Capacitance Tolerance	±10 % (K) Standard; ±5% (J) Optional				
Rated Voltage	400 to 600 Vdc (250 to 330 Vac, 60 Hz)				
Operating Temperature Range	-55 °C to 105 °C* *Full rated voltage at 85 °C - derated linearly to 50% rated at 105 °C				
Dielectric Strenght	200% of rated voltage for 1 minute				
Dissipation Factor	> 0.10% Max (25 °C, 1 kHz)				
Insulation Resistance	200,000 ΜΩ x μF				
Life Test	2,000 h @ 85 °C, 125% rated DC voltage				
RoHS Compliant					

Outline Drawing



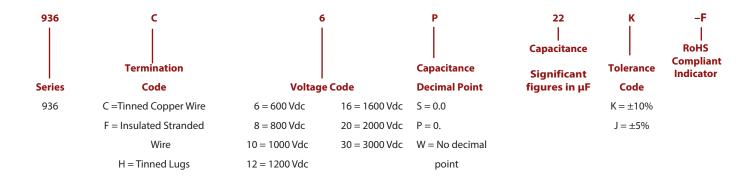
Ratings

		Т	W	L		ESR	IRMS	
Cap.	Catalog	Maximum	±.06" (1.5)	±.05" (1.2)	d	(milliohms)	A @ 70ºC	
(µF)	Part Number	Inches (mm)	Inches (mm)	Inches (mm)	Inches (mm)	100 KHz	100 KHz	
400 Vdc (250 Vac)								
.47	936C4P47K-F	0.280 (7.1)	0.470 (11.9)	1.250 (31.75)	0.032 (0.8)	21	4	
.68	936C4P68K-F	0.300 (7.6)	0.530 (13.5)	1.250 (31.75)	0.032 (0.8)	13	6	
1.0	936C4W1K-F	0.390 (9.9)	0.590 (15.0)	1.250 (31.75)	0.032 (0.8)	11	9	
1.5	936C4W1P5K-F	0.480 (12.2)	0.690 (17.5)	1.250 (31.75)	0.032 (0.8)	9	10	
2.0	936C4W2K-F	0.480 (12.2)	0.690 (17.5)	1.250 (31.75)	0.032 (0.8)	9	10	
2.2	936C4W2P2K-F	0.560 (14.2)	0.830 (21.1)	1.250 (31.75)	0.032 (0.8)	8	11	
3.3	936C4W3P3K-F	0.690 (17.5)	0.930 (23.6)	1.250 (31.75)	0.032 (0.8)	7	15	
4.7	936C4W4P7K-F	0.640 (16.3)	0.880 (22.4)	1.750 (44.45)	0.040 (1.0)	7	17	
6.8	936C4W6P8K-F	0.670 (17.0)	0.900 (22.9)	2.250 (57.15)	0.040 (1.0)	7	17	
10.0	936C4W10K-F	0.700 (17.8)	1.050 (26.7)	2.250 (57.15)	0.040 (1.0)	7	17	
600 Vdc (330 Vac)								
0.47	936C6P47K-F	0.460 (11.7)	0.690 (17.5)	1.250 (31.75)	0.032 (0.8)	13	4	
0.68	936C6P68K-F	0.550 (14.0)	0.790 (20.1)	1.250 (31.75)	0.032 (0.8)	10	6	
1.0	936C6W1K-F	0.670 (17.0)	0.910 (23.1)	1.250 (31.75)	0.032 (0.8)	8	9	
1.5	936C6W1P5K-F	0.730 (18.5)	0.970 (24.6)	1.500 (38.10)	0.032 (0.8)	7	11	
2.2	936C6W2P2K-F	0.640 (16.3)	0.880 (22.4)	2.250 (57.15)	0.040 (1.0)	10	13	

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Part Numbering System



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