

# Type 950 Metallized Polypropylene Film Capacitors

## AC Rated, Round, Axial Leaded

## Motor Run, HID Lighting

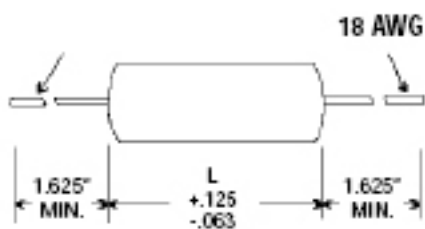


**Type 950** axial-leaded, metallized polypropylene capacitors with high capacitance values are ideal for high intensity discharge lighting and motor run applications. Flame retardant outer wrap and epoxy end seals provide moisture resistance. Type 950 features operating temperatures to 90°C without derating and very low ESR characteristics. This non-protected film capacitor has Underwriters Laboratories, Inc. recognition for construction only under U.L. File Number E128034(N).

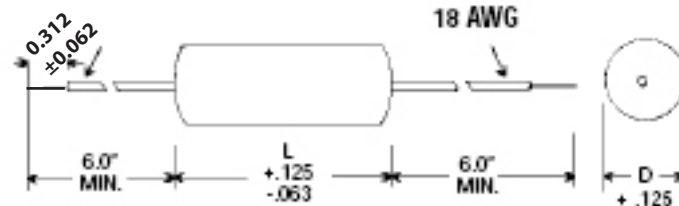
Capacitance Range	5 $\mu$ F to 150 $\mu$ F
Capacitance Tolerance	$\pm$ 10% (K) standard, $\pm$ 6% (H) optional
Rated Voltage	250 Vac, 50/60 Hz
Operating Temperature Range	-55 °C to +90 °C
Dielectric Strength	160% rated voltage for 1 minute
Dissipation Factor @ 120 Hz, +25 °C	.15% Max. @ 120 Hz
Insulation Resistance	100,000 M $\Omega$ x $\mu$ F
Self Inductance	1 nH max. per 1 mm lead and body length
Life Test	1,000 hours at 90 °C at 125% rated voltage

### Regulatory Information

#### SOLID LEADS #18 AWG (.040 DIA.)



#### FLEXIBLE LEADS #18 AWG (.040 DIA.)



## Part Numbering System

950   Series	C   Termination Code	Q   Voltage Code	P   Capacitance Decimal Point	22   Capacitance Significant Figures ( $\mu$ F)	K   Tolerance Code	-F   RoHS Compliant Indicator
950	C = Tinned Copper Wire F = Insulated Stranded Wire H = Tinned Lugs	Q = 250 Vdc	S = 0.0 P = 0. W = No decimal point		K = $\pm$ 10% J = $\pm$ 5%	

# Type 950 Metallized Polypropylene Film Capacitors

## Ratings

Cap. ( $\mu\text{F}$ )	Catalog Part Number Solid Leads	Catalog Part Number Flexible Leads	D (inches)(mm)	L (inches)(mm)	dV/dt (V/ $\mu\text{s}$ )
<b>250 Vac</b>					
5.0	950CQW5K-F	950FQW5K-F	0.906(23.0)	1.755(44.5)	9
7.0	950CQW7K-F	950FQW7K-F	1.035(26.3)	1.755(44.5)	9
8.0	950CQW8K-F	950FQW8K-F	1.094(27.8)	1.755(44.5)	9
10.0	950CQW10K-F	950FQW10K-F	0.996(25.3)	2.500(63.5)	6
12.0	950CQW12K-F	950FQW12K-F	1.075(27.3)	2.500(63.5)	6
13.0	950CQW13K-F	950FQW13K-F	1.110(28.2)	2.500(63.5)	6
14.0	950CQW14K-F	950FQW14K-F	1.146(29.1)	2.500(63.5)	6
15.0	950CQW15K-F	950FQW15K-F	1.181(30.0)	2.500(63.5)	6
16.0	950CQW16K-F	950FQW16K-F	1.213(30.8)	2.500(63.5)	6
17.0	950CQW17K-F	950FQW17K-F	1.248(31.7)	2.500(63.5)	6
17.5	950CQW17P5K-F	950FQW17P5K-F	1.264(32.1)	2.500(63.5)	6
20.0	950CQW20K-F	950FQW20K-F	1.339(34.0)	2.500(63.5)	6
22.5	950CQW22P5K-F	950FQW22P5K-F	1.413(35.9)	2.500(63.5)	6
24.0	950CQW24K-F	950FQW24K-F	1.457(37.0)	2.500(63.5)	6
26.0	950CQW26K-F	950FQW26K-F	1.508(38.3)	2.500(63.5)	6
28.0	950CQW28K-F	950FQW28K-F	1.559(39.6)	2.500(63.5)	6
30.0	950CQW30K-F	950FQW30K-F	1.610(40.9)	2.500(63.5)	6
32.0	950CQW32K-F	950FQW32K-F	1.575(40.0)	2.894(73.5)	6
34.0	950CQW34K-F	950FQW34K-F	1.614(41.0)	2.894(73.5)	6
35.0	950CQW35K-F	950FQW35K-F	1.654(42.0)	2.894(73.5)	6
36.0	950CQW36K-F	950FQW36K-F	1.693(43.0)	2.894(73.5)	6
40.0	950CQW40K-F	950FQW40K-F	1.713(43.5)	2.894(73.5)	6
42.0	950CQW42K-F	950FQW42K-F	1.752(44.5)	2.894(73.5)	6
45.0	950CQW45K-F	950FQW45K-F	1.811(46.0)	2.894(73.5)	6
48.0	950CQW48K-F	950FQW48K-F	1.850(47.0)	2.894(73.5)	6
50.0	950CQW50K-F	950FQW50K-F	1.890(48.0)	2.894(73.5)	6

Cap. ( $\mu\text{F}$ )	Catalog Part Number Solid Leads	Catalog Part Number Flexible Leads	D (inches)(mm)	L (inches)(mm)	dV/dt (V/ $\mu\text{s}$ )
<b>250 Vac</b>					
52.0	950CQW52K-F	950FQW52K-F	1.969(50.0)	2.894(73.5)	6
55.0	950CQW55K-F	950FQW55K-F	2.008(51.0)	2.894(73.5)	6
56.0	950CQW56K-F	950FQW56K-F	2.028(51.5)	2.894(73.5)	6
60.0	950CQW60K-F	950FQW60K-F	1.890(48.0)	3.386(86.0)	5
65.0	950CQW65K-F	950FQW65K-F	1.929(49.0)	3.386(86.0)	5
68.0	950CQW68K-F	950FQW68K-F	2.008(51.0)	3.386(86.0)	5
70.0	950CQW70K-F	950FQW70K-F	2.047(52.0)	3.386(86.0)	5
72.0	950CQW72K-F	950FQW72K-F	2.087(53.0)	3.386(86.0)	5
75.0	950CQW75K-F	950FQW75K-F	2.126(54.0)	3.386(86.0)	5
78.0	950CQW78K-F	950FQW78K-F	2.146(54.5)	3.386(86.0)	5
80.0	950CQW80K-F	950FQW80K-F	2.165(55.0)	3.386(86.0)	5
82.0	950CQW82K-F	950FQW82K-F	2.185(55.5)	3.386(86.0)	5
85.0	950CQW85K-F	950FQW85K-F	2.224(56.5)	3.386(86.0)	5
90.0	950CQW90K-F	950FQW90K-F	1.969(50.0)	4.409(112.0)	4
92.0	950CQW92K-F	950FQW92K-F	2.008(51.0)	4.409(112.0)	4
95.0	950CQW95K-F	950FQW95K-F	2.047(52.0)	4.409(112.0)	4
100.0	950CQW100K-F	950FQW100K-F	2.087(53.0)	4.409(112.0)	4
105.0	950CQW105K-F	950FQW105K-F	2.126(54.0)	4.409(112.0)	4
110.0	950CQW110K-F	950FQW110K-F	2.185(55.5)	4.409(112.0)	4
115.0	950CQW115K-F	950FQW115K-F	2.224(56.5)	4.409(112.0)	4
120.0	950CQW120K-F	950FQW120K-F	2.283(58.0)	4.409(112.0)	4
125.0	950CQW125K-F	950FQW125K-F	2.323(59.0)	4.409(112.0)	4
130.0	950CQW130K-F	950FQW130K-F	2.362(60.0)	4.409(112.0)	4
135.0	950CQW135K-F	950FQW135K-F	2.362(60.0)	4.409(112.0)	4
140.0	950CQW140K-F	950FQW140K-F	2.362(60.0)	4.409(112.0)	4
145.0	950CQW145K-F	950FQW145K-F	2.362(60.0)	4.409(112.0)	4
150.0	950CQW150K-F	950FQW150K-F	2.402(61.0)	4.409(112.0)	4

Other capacitance values, sizes and performance specifications are available. Contact us.

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