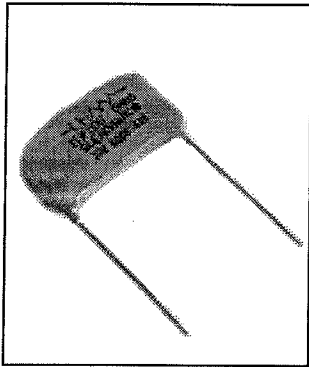


# Q/QRL Series - (QUENCHARC®) Metallized Polyester Arc Suppressor/Snubber Network

**MALLOY**

Film Capacitors



- Noise and Arc Suppression
- RC Snubber Network
- Relay Contact Protection
- Noise Reduction on Controllers/Drivers
- EMI/RFI Reduction
- Type QRL - UL/CSA Version

## GENERAL SPECIFICATIONS

Operating Temperature:  
-55°C to +85°C at full rated voltage

Voltage Range:  
200 VDC (125VAC) to  
600 VDC (250VAC)

Capacitance Values:  
0.1, 0.5, 1.0  $\mu$ F

Resistor Values:  
22, 47, 100, 150, 220 Ohms

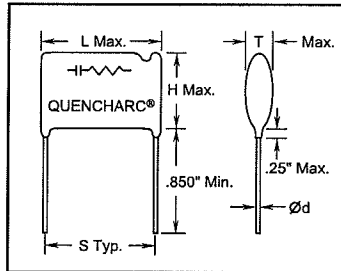
Tolerance:  
Capacitance -  $\pm$ 20%  
Resistance -  $\pm$ 10%

Construction:  
Metallized polyester in series with a carbon composition resistor

Case:  
Coated with a flame retardant epoxy

Dielectric Withstand Voltage:  
Units shall withstand a DC potential of 1.6 times the DC voltage rating. Testing conducted at +25°C

## Outline Dimensions



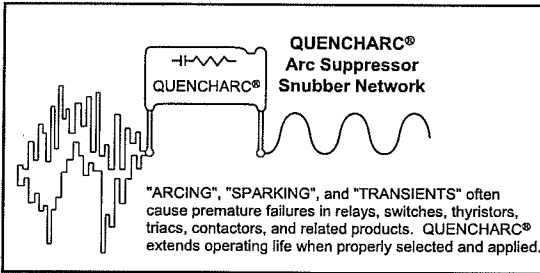
## Test Method and Performance

### DC Life Test

Units shall withstand a test potential of 125% of the rated voltage for a period of 500 hours at 85°C. A failure shall consist of:  
- Capacitance change >5%  
- DF greater than original limits

### Long Term Stability

The capacitance shall not change more than 2% when stored at ambient temperature and humidity for a period of two years or less.



Catalog Number	Cap $\mu$ F	Resistor		Inches					Millimeters				
		Watts	Ohms $\pm$ 10%	L Max	T Max	H Max	S Typ	$\phi$ d	L Max	T Max	H Max	S Typ	$\phi$ d
<b>200VDC/125VAC</b>													
504M02QA100	.50	1/2	100	1.080	.370	.640	.820	.032	27.4	9.4	16.3	20.8	.8
504M02QA220	.50	1/2	220	1.080	.370	.640	.820	.032	27.4	9.4	16.3	20.8	.8
105M02QB47	1.00	1/2	47	1.450	.390	.660	1.200	.032	36.8	9.9	16.8	30.5	.8
<b>600VDC/250VAC</b>													
104M06QC22	.10	1/2	22	1.080	.390	.660	.820	.032	27.4	9.9	16.8	20.8	.8
104M06QC47	.10	1/2	47	1.080	.390	.660	.820	.032	27.4	9.9	16.8	20.8	.8
104M06QC100	.10	1/2	100	1.080	.390	.660	.820	.032	27.4	9.9	16.8	20.8	.8
104M06QC150	.10	1/2	150	1.080	.390	.660	.820	.032	27.4	9.9	16.8	20.8	.8

Note: Other ratings are available by special request.  
Contact NACC for availability and price.

## UL/CSA Recognized Across-the-Line Application (Complies with UL1414/CSA-C22.2 No. 1)

Catalog Number	Cap $\mu$ F	Resistor		Inches					Millimeters				
		Watts	Ohms $\pm$ 10%	L Max	T Max	H Max	S Typ	$\phi$ d	L Max	T Max	H Max	S Typ	$\phi$ d
<b>125VAC</b>													
104MACQRL150	.10	1/2	150	1.080	.440	.660	.820	.032	27.4	11.2	16.8	20.8	.8

Type QRL: UL File No. E33628  
CSA File No. LR32208