

Type Q/QRL (Quencharc®) Arc Suppressor/Snubber Network

Radial Metallized Polyester RC Network for Transient Suppression



Highlights

- ◆ Noise and arc suppression
- ◆ RC Snubber Network
- ◆ Relay contact protection
- ◆ Noise reduction on controllers and drives
- ◆ EMI/RFI reduction
- ◆ Type QRL - UL/CSA verison
- ◆ Other ratings available by special request
- ◆ Coated with flame retardant epoxy

Outline Dimensions



Specifications

Capacitance Range: 0.10 μ F, 0.05 μ F, 1.0 μ F

Voltage Range: 200 Vdc/125 Vac, 60 Hz and 600 Vdc/250 Vac, 60 Hz

Capacitance Tolerance: \pm 20%

Resistor Tolerance: \pm 10%

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

Operating Temperature Range : -55°C to $+85^{\circ}\text{C}$ at full rated voltage

Construction: Metallized polyester in series with a carbon composition resistor

Dielectric Withstand Voltage: 1.6 x DC rated voltage @ $+25^{\circ}\text{C}$

DC Life Test: 125% of rated voltage for a period of 500 hours at 85°C with capacitance change \leq 5% and DF \leq 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.

Ratings

RoHS Compliant

Catalog Part Number	Cap (μ F)	Resistor		Inches					Millimeters				
		Watts	Ohms \pm 10%	L Max	T Max	H Max	S Typ.	\varnothing d	L Max	T Max	H Max	S Typ.	\varnothing d
200 Vdc / 125 Vac													
504M02QA100	0.50	1/2	100	1.08	0.37	0.64	0.82	0.032	27.4	9.4	16.3	20.8	0.8
504M02QA220	0.50	1/2	220	1.08	0.37	0.64	0.82	0.032	27.4	9.4	16.3	20.8	0.8
105M02QB47	1.00	1/2	47	1.45	0.39	0.66	1.20	0.032	36.8	9.9	16.8	30.5	0.8
600 Vdc / 250 Vac													
104M06QC22	0.10	1/2	22	1.08	0.39	0.66	0.82	0.032	27.4	9.9	16.8	20.8	0.8
104M06QC47	0.10	1/2	47	1.08	0.39	0.66	0.82	0.032	27.4	9.9	16.8	20.8	0.8
104M06QC100	0.10	1/2	100	1.08	0.39	0.66	0.82	0.032	27.4	9.9	16.8	20.8	0.8
104M06QC150	0.10	1/2	150	1.08	0.39	0.66	0.82	0.032	27.4	9.9	16.8	20.8	0.8
UL/CSA Recognized Across-the-Line Application Type QRL 125 Vac Complies with UL1414/CSA-C22.2 No. 1)													
104MACQRL150	0.10	1/2	150	1.08	0.44	0.66	0.82	0.032	27.4	11.2	16.8	20.8	0.8

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