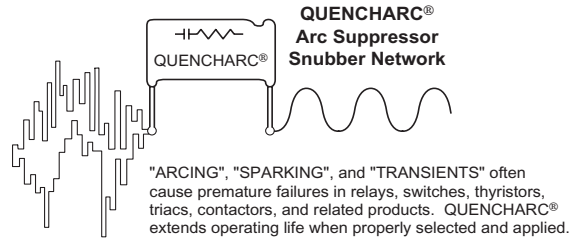


Type Q/QRL (Quencharc®) Arc Suppressor/Snubber Network

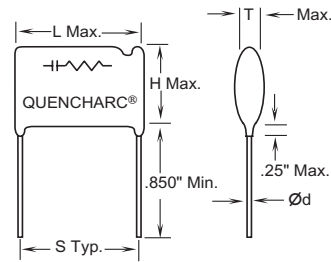
Radial Metallized Polyester RC Network for Transient Suppression



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 $+85^{\circ}$ C at full rated voltage
- Construction:** Metallized polyester in series with a carbon composition resistor
- Dielectric Withstand Voltage:** 1.6 x DC rated voltage @ $+25^{\circ}$ 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. | ϕ d | L Max | T Max | H Max | S Typ. | ϕ 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