

RC11 - Resistor Capacitor Network

Features

- **Casing** – Aluminum Can, Resistor + Capacitor Block
- **Capacitor**– Film foil, polyester dielectric (KT-22)
- **Resistor** –Wire wound placed directly around the capacitor
- **Coils** - Non-inductively wound, mineral oil impregnated
- **Lead** – Flexible PVC coated copper wires 23/36, red colour, 150mm length
- **Construction** - Aluminium can housed and epoxy filled. Bottom stud of M8 threads for panel mounting. R and C series connected
- **Tolerance** - 10% (K) Capacitor, 5% (J) Resistor
- **Markings** – El-Ci-Ar logo, Resistance value, wattage, C value, Rated Voltage
- **Test Voltage** – 2,500VDC for 2 Sec b/w terminals for 2 sec
2,000VDC b/w terminals & case for 60 sec
- **Max Pulse Rise** - 300V/ μ s
- **Temperature Range from** -45° C to +105°C
- **Insulation Resistance** \geq 25 GOhms at 500VDC (after 1 min at 25C°)



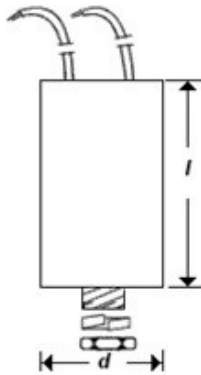
Application

- Useful for thyristor circuits for Spark quenching
- General Purpose RC N/W across Diodes, SCR

Life Testing

- Loaded at 1.5 times of rated DC voltage at +85°C for 1000 hrs
- After the test – Change in Capacitance and Resistance $\Delta \leq$ 5% of initial value.
 - Change in Tan $\delta \leq$ 0.001 or 1.2 times the value before test, whichever is higher
 - Insulation Resistance \geq 50% of initial value

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Dimensions

R (Ω)	+	C (μF)	d (mm)	l (mm)
10 Ω	+	0.1 μF	30	40
22 Ω	+	0.1 μF	30	40
10 Ω	+	0.22 μF	30	53
22 Ω	+	0.22 μF	30	53
47 Ω	+	0.22 μF	30	53
100 Ω	+	0.22 μF	30	53
470 Ω	+	0.22 μF	30	53
820 Ω	+	0.22 μF	30	53
22 Ω	+	0.47 μF	30	53
47 Ω	+	0.47 μF	30	53

- Custom Values are also available on request