

FMD51 – Mixed Dielectric AC Capacitors

Features

- **Oil Impregnated** – For good Corona Resistance
- **Dielectric** – Polyester + Paper
- **Electrode** - Aluminium Foil
- **Coil** - Non inductively wound, oil impregnated
- **Leads** – Brass studs
- **Construction** – Aluminium Can + Blue PVC Sleeve, stud insert moulded plastic end caps
- **Markings** - *El-Ci-Ar* logo, Capacitance, Voltage, Type
- **Capacitor Tolerance** - 20% (M), 10% (K), 5% (J)
- **Dissipation Factor** ≤ 0.01 at 1KHz at 25C° (typical value 0.005)
- **Test Voltage** - $2.5 \times V_r$ for 2 sec
- **Max Pulse Rise** - 300V/ μ s
- **Temperature Range from** -25C° to +85C°
- **Insulation Resistance** $\geq 25 \text{ G}\Omega$ for $C \leq 0.33\mu\text{F}$ at 25C°
 $\geq 75 \text{ G}\Omega$ for $C \geq 0.33\mu\text{F}$ at 25C°



Application

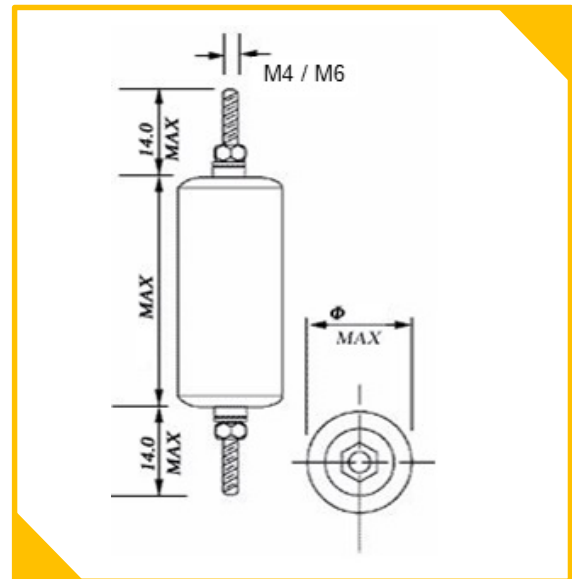
- General purpose RC N/W
- Across diodes, SCR
- Suited for high voltage applications like induction heating
- Suppression Circuits

Available Values

- Capacitance : 0.1uF to 1uF
- Voltage : 1200VAC / 2000VDC
2000VAC / 5000VDC
2500VAC / 6000VDC

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Drawing



Dimensions

Value (uF)	AC Voltage	DC Voltage	Diameter	Length	Stud
0.1	1200 VAC	2000 VDC	19	40	M4
0.25	1200 VAC	2000 VDC	25	72	M6
0.5	1200 VAC	2000 VDC	30	72	M6
1	1200 VAC	2000 VDC	40	72	M6
0.47	2000 VAC	5000 VDC	40	100	M6
0.68	2000 VAC	5000 VDC	45	100	M6
1	2000 VAC	5000 VDC	53	95	M6
0.1	2500 VAC	6000 VDC	40	75	M6