

# Mod® Oil Capacitors

Mod® Electronics Oil Caps are high quality, hand-crafted capacitors that are the perfect choice for guitars, amplifiers, and all audio equipment. Each capacitor is impregnated with mineral oil for a void-free winding providing highly stable capacitance.

The capacitor is hermetically sealed in an aluminum casing to ensure a long life. The detailed construction results in a precise capacitance with a tolerance of  $\pm 10\%$ . Mod® Oil Caps also feature a red stripe to designate the outside foil.

- Features:

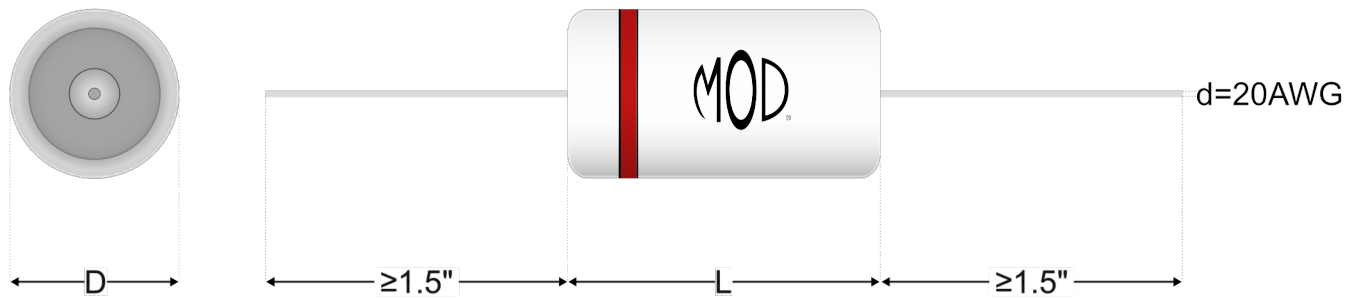
- Hermetically Sealed Case
- Mineral Oil Dielectric
- 20AWG Lead Diameter
- Axial Leads
- Tolerance:  $\pm 10\%$
- Values: .001  $\mu\text{F}$  - .047  $\mu\text{F}$
- Voltage Rating: 50V

- Applications:

- Vacuum Tube Coupling
- Tone Controls
- Equalizers
- Stomp Boxes
- Audio Applications
- General Purpose

<u>Type</u>	Axial Leaded Oil Filled
<u>Available Capacitances</u>	.001 $\mu\text{F}$ through .047 $\mu\text{F}$
<u>Rated Voltage (DC)</u>	50 V
<u>Tolerance</u>	$\pm 10\%$
<u>Surge Voltage (DC)</u>	100 V for 1 minute
<u>Operating Temperature</u>	-20°C to +80°C
<u>Dielectric</u>	Mineral Oil
<u>Film Material</u>	Polyester

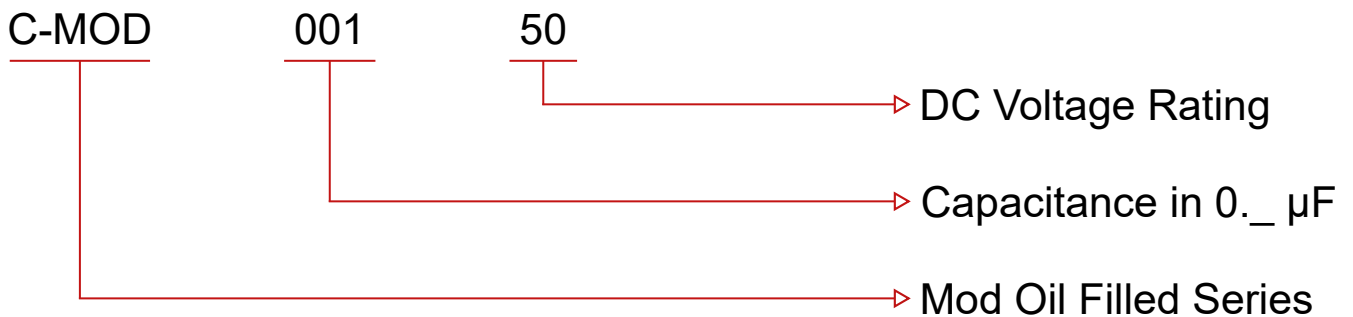




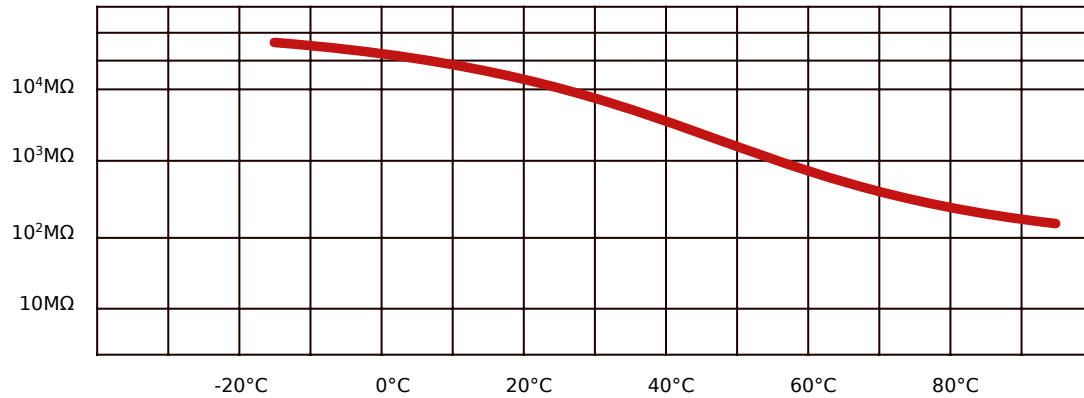
\*drawing not to scale

Part Number	Capacitance	Diameter	Length
C-MOD001-50	0.001 $\mu$ F (1nF)	.39" (10mm)	.49" (12.5mm)
C-MOD015-50	0.015 $\mu$ F (15nF)	.47" (11.9mm)	.75" (19mm)
C-MOD022-50	0.022 $\mu$ F (22nF)	.47" (11.9mm)	.75" (19mm)
C-MOD033-50	0.033 $\mu$ F (33nF)	.47" (11.9mm)	.75" (19mm)
C-MOD047-50	0.047 $\mu$ F (47nF)	.47" (11.9mm)	.95" (19mm)

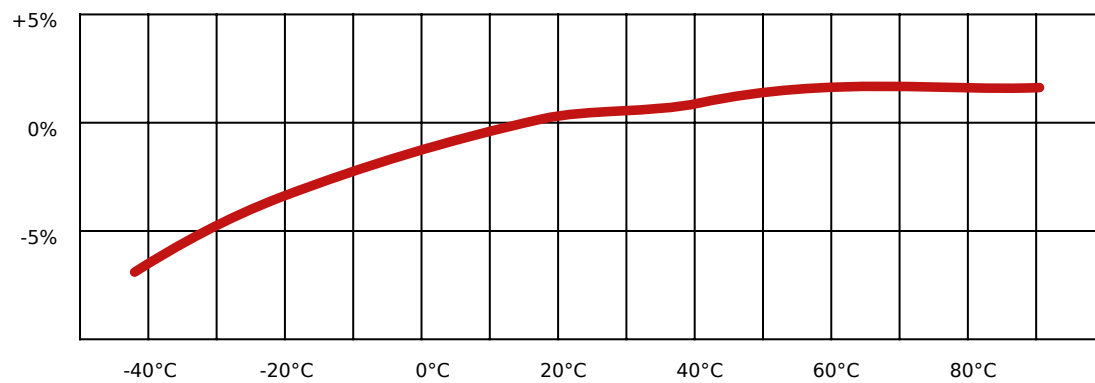
## Part Number Information



## Insulation Resistance vs Temperature



## Change in Capacitance vs Temperature



## Dissipation Factor (1kHz) vs Temperature

