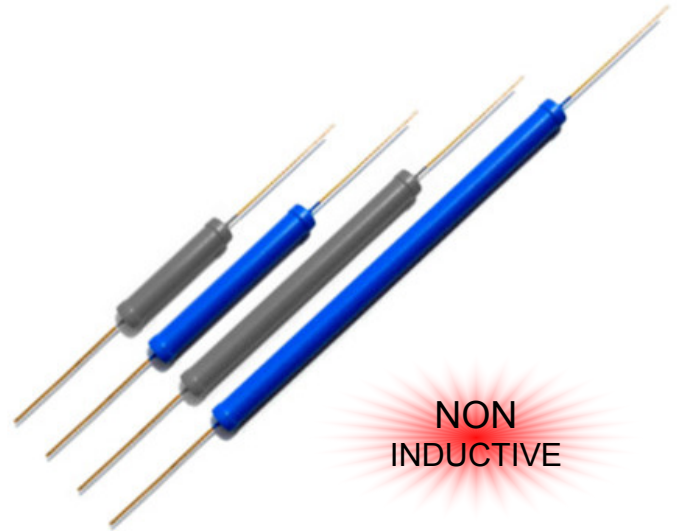


High Voltage Resistors Series 480 General Purpose, Low Cost, Non-Inductive

NEW
Low Cost

The **low cost** High Voltage Resistors Series 480 meet a general set of requirements with voltage ratings to **50 kV**. These products are available with high temperature silicone or epoxy coating and feature a wide ohmic range from 100Ω to 10GΩ, standard tolerance to 1% and standard temperature coefficient of **80 ppm/°C**.

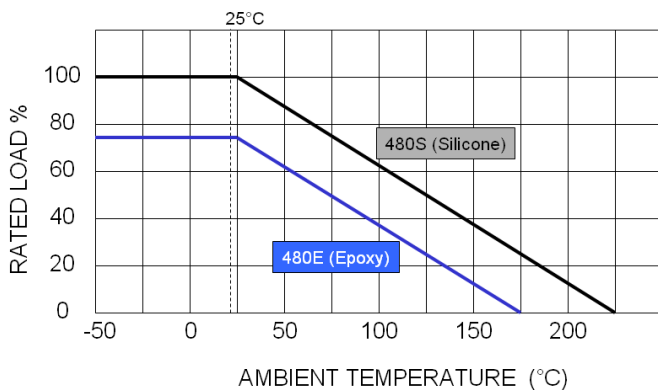
Model	Wattage	Max. Oper. Voltage	Dimensions in millimeters ± 0.50 [Dimensions in inches ± 0.02]	
			L	B
480.2	2.50	8'000	27.00 [1.07]	8.00 [0.32]
480.3	3.50	12'000	37.00 [1.46]	8.00 [0.32]
480.4	4.00	14'000	45.00 [1.77]	8.00 [0.32]
480.5	5.00	17'000	52.00 [2.05]	8.00 [0.32]
480.7	7.50	25'000	77.00 [3.03]	8.00 [0.32]
480.10	10.00	35'000	102.00 [4.02]	8.30 [0.33]
480.12	13.00	40'000	122.00 [4.80]	8.50 [0.34]
480.15	15.00	50'000	152.00 [5.98]	8.50 [0.34]



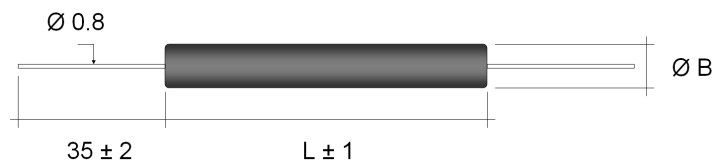
Characteristics

Resistance Values	from 100Ω to as high as 10GΩ		
Tolerances	1%, 2%, 5%, 10% (for tighter tolerances please use Series 400)		
Temperature Coefficient	80 ppm/°C referenced to 25°C, ΔR taken at 125°C (for lower TC please use Series 400 or Series 425)		
Operating Temperature	Silicone Coating: -55 .. +225°C	Epoxy Coating: -55 .. +175°C	
Insulation Resistance	> 10'000 MΩ	500 Volt 25 °C 75% relative humidity	
Dielectric Strength	> 1'000 Volt	25 °C 75% relative humidity	
Thermal Shock	ΔR 0.50% max.	MIL Std. 202, method 107 Cond. B	
Overload	ΔR 0.50% max.	1,5 x Pnom, 5 sec (do not exceed max. voltage)	
Moisture Resistance	ΔR 0.50% max.	MIL Std. 202, method 106	
Load Life	ΔR 0.50% max.	1000 hours at rated power	
Encapsulation	Silicone Coating / Epoxy Coating	Core Material	Al ₂ O ₃ (96%)
Lead Material	Gold Plated	Resistor Material	Ruthenium Oxide

Derating Curve



Dimensions



Ordering Information

Model – Coating (S or E) - Resistance Value - Tolerance

Example:
Model 480.15, Silicone Coating, 200 MOhm, 1% tolerance
Ordering Code: 480.15-S-200M-1%