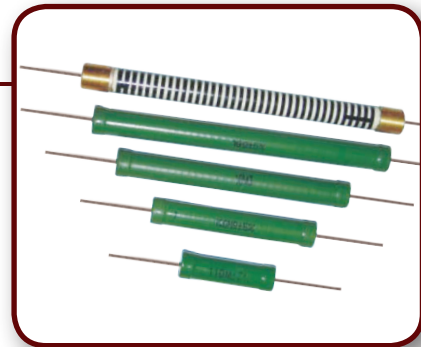


# 1000 SERIES

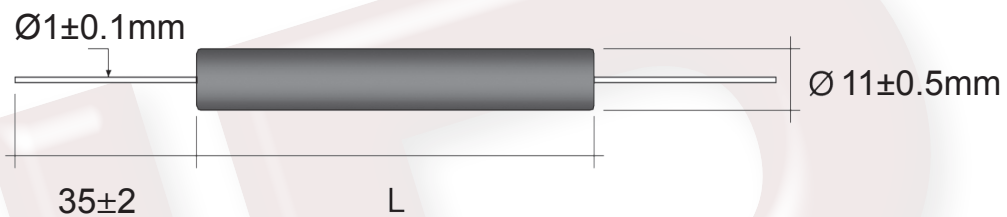
HIGH POWER, HIGH VOLTAGE RESISTORS

High Voltage Resistors 1000 Series has been designed to meet high voltage in small size and high power. The main applications are industrial, electrostatic devices, power supplies, medical x-ray.



## FEATURES

- High power
- High voltage
- Oil immersion option



## PRODUCT SIZE

Model	Wattage	Max operating Voltage	Ohmic Range	L $\pm$ 1mm	Uncoated
1008	5	8kV	100R $\div$ 5G	42	For oil immersion (SF16) max. volt. +50% Suffix: E
1010		10kV		53	
1025	10	25kV	5K $\div$ 10G	71	
1032		32kV		84	
1040	20	40kV	5K $\div$ 100G	103	
1045		45kV		114	
1050	25	50kV	5K $\div$ 100G	126	
1055		55kV		138	

**NR** *new resistance*  
precision without limits

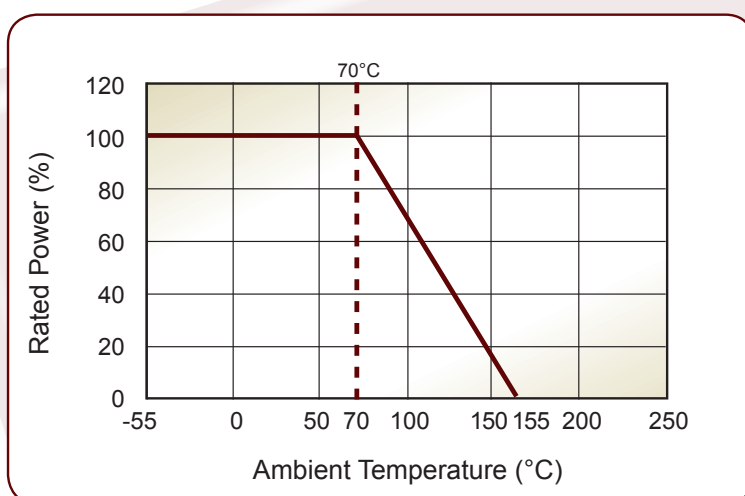
# 1000 SERIES

HIGH POWER, HIGH VOLTAGE RESISTORS

## TECHNICAL PARAMETERS

Resistance Values	from 100R to as high as 100GΩ		
Tolerances	1%, 2%, 5%, 10% all values		
Temperature Coefficients*	25, 50 and 100 ppm/°C all values		
Operating Temperature	-55 .. +155°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	$\Delta R/R < 1\%$ max.		
Overload	$\Delta R/R < 1\%$ max.	1,5 x Pnom, 5 sec (do not exceed max. voltage)	
Moisture Resistance	$\Delta R/R < 1\%$ max.	IEC 68 - 2 - 3	
Load Life	$\Delta R/R < 1\%$ max.	1000 hours at rated power IEC 115 - 1	
Coating low temperature	Vitreous Enamel	Core Material	Al <sub>2</sub> O <sub>3</sub> (96%)
Lead Material	Copper thin plated	Resistor Material	metal glaze

## POWER REDUCTION CURVE



## ORDERING INFO

Type
1050

Value
10G

Tolerance
1%

TCR
25ppm

E (option for oil immersion)
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**NR** *new resistance*  
precision without limits