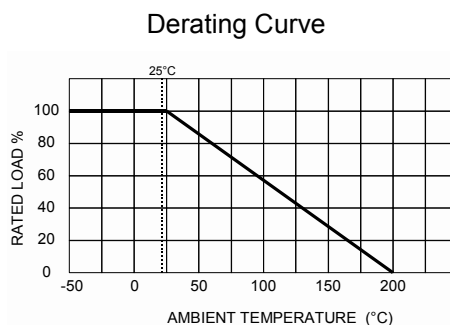
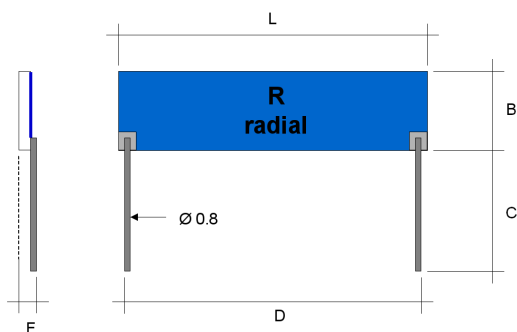


High Voltage Resistor Model 200.2L Precision, Non-Inductive, Low TC



Model	Wattage	Max. Continuous Oper. Voltage	Dimensions in millimeters ± 0.50 [Dimensions in inches ± 0.02]				
			L	B	C (max.)	D	E (max.)
200.2L	2.40	15'000	30.48 [2.00]	7.62 [0.30]	35.00 [1.40]	27.94 ± 0.2 [1.10 ± 0.08]	2.50 [0.10]

Characteristics

Resistance Values	from 1K Ω to as high as 100G Ω on all models (to 1T Ω on request)		
Tolerances	0.05%, 0.1%, 0.25%, 0.5%, 1%, 2%, 5%, 10% (0.05% available to 10G, 0.25% to 100G, other on request)		
Temperature Coefficients *	5, 10, 15, 25, 50 and 100 ppm/ $^{\circ}$ C (10 ppm/ $^{\circ}$ C available to 10G, 25 ppm/ $^{\circ}$ C to 100G, other on request)		
Operating Temperature	-55 .. +200 $^{\circ}$ C	(extended temperature range to 350 $^{\circ}$ C available)	
Insulation Resistance	> 10'000 M Ω	500 Volt 25 $^{\circ}$ C 75% relative humidity	
Dielectric Strength	> 1'000 Volt	25 $^{\circ}$ C 75% relative humidity	
Thermal Shock	Δ R/R < 0.1% typ., 0.20% max.	MIL Std. 202, method 107 Cond. C	IEC 68 - 2 - 14
Overload	Δ R/R < 0.1% typ., 0.25% max.	1,5 x Pnom, 5 sec (do not exceed max. voltage)	
Moisture Resistance	Δ R/R < 0.1% typ., 0.25% max.	MIL Std. 202, method 106	IEC 68 - 2 - 3
Load Life	Δ R/R < 0.1% typ., 0.25% max.	1000 hours at rated power	IEC 115 - 1
Encapsulation	Screen Printed Silicone	Core Material	Al ₂ O ₃ (96%)
Lead Material	Tinned Copper / SMD versions available	Resistor Material	Ruthenium Oxide
Voltage Coefficient of Resistance **	1K .. 500M	- 0.30 ppm/V max. as to MIL-Std-202, Method 309, 10 kV DC max.	
	500M .. 7G	- 0.80 ppm/V max. as to MIL-Std-202, Method 309, 10 kV DC max.	

* Temperature Coefficient referenced to 25 $^{\circ}$ C, Δ R taken at +125 $^{\circ}$ C.

** typical values, contact factory for details

Ordering Information

200.2L 50M J S

200.2L	= Model
50M	= Resistor Value (50 M Ω)
J	= Tolerance ($\pm 5\%$)
S	= Temperature Coefficient (± 100 ppm / $^{\circ}$ C)

Ohm Value Codes

1	= R
10 ³	= K
10 ⁶	= M
10 ⁹	= G

Example :
2M6 = 2.6 M Ω

Tolerance Codes

$\pm 20\%$	= M
$\pm 10\%$	= K
$\pm 5\%$	= J
$\pm 2\%$	= G
$\pm 1\%$	= F
$\pm 0.5\%$	= D
$\pm 0.25\%$	= C
$\pm 0.1\%$	= B
$\pm 0.05\%$	= A

Temperature Coefficient Codes

± 100 ppm / $^{\circ}$ C	= S
± 50 ppm / $^{\circ}$ C	= F
± 25 ppm / $^{\circ}$ C	= E
± 15 ppm / $^{\circ}$ C	= A
± 10 ppm / $^{\circ}$ C	= T
± 5 ppm / $^{\circ}$ C	= U