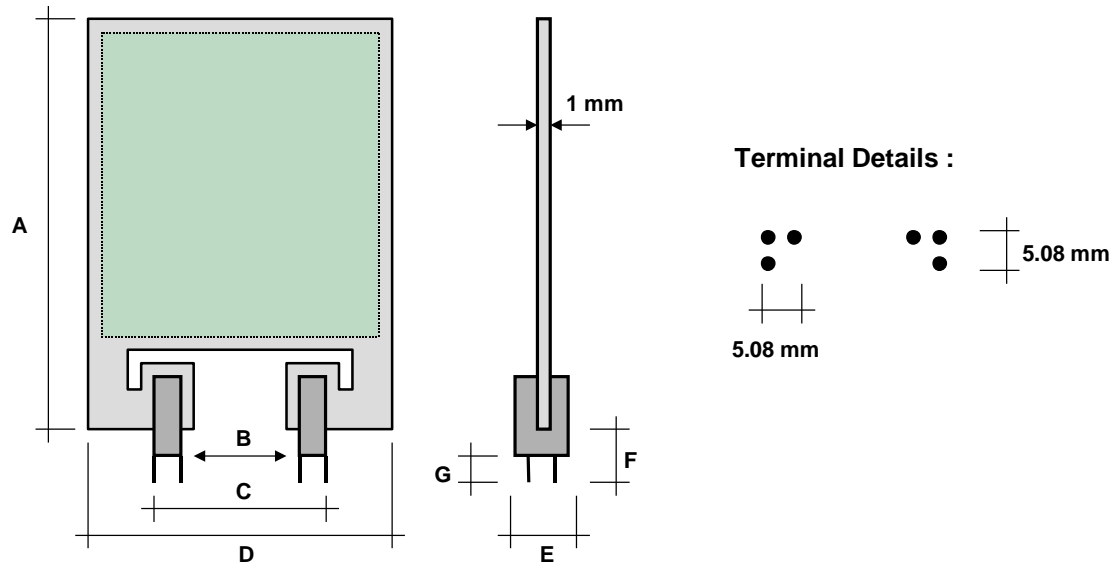


Models TP-50 and TP-100 High Power Planar Resistors on Steel Carrier



Features :

- Low Inductance
- Easy to Install (no Heat Sink required)
- High Power Density (2 Watts/ cm²)
- Excellent Pulse withstanding Capabilities
- Very Robust Construction

Serie TP is a plate resistor system utilizing thick film ruthenium oxide, on hi-temp/ hi-voltage dielectric insulated steel substrate, protected by a glass passivation layer. These resistors offer low inductance and very high power densities. Being PC-board mountable without heat sink, they are economic to install and best suited for applications under 300V.

Type	Power Ratings	Max. Voltage	A	B	C	D	E	F	G
TP-50	50 Watts	300 Volt	64	25.4	35.56	45	10	10	5
TP-100	100 Watts	300 Volt	85	33.02	43.18	65	10	10	5

Dimensions in mm (max.)

Characteristics

Resistance Value :	1 Ohm up to 10 KOhm		
Temperature Coefficient :	150 ppm/°C		
Tolerance :	1%, 2%, 5%, 10%, 20% *		
Power Rating :	Based on 25°C free air.		
Inductance :	< 50 nH @ MHz (typ.)		
Derating :	Linearly from 100% @ +25°C to 0% @ +350°C.		
Insulation Resistance :	> 1'000 MΩ	Between two terminals and steel plate	
Dielectric Strength :	> 500 Volt	25 °C 75% Relative humidity	
Overload :	Δ R/R 1%	5 x Pnom, as long as the 1 sec. average does not exceed Pnom.	
Moisture Resistance :	Δ R/R 1%	MIL Std. 202, method 106	IEC 68 - 2 - 3
Load Life :	Δ R/R 2%	2000 hours at rated power *	IEC 115 - 1
Encapsulation :	Screen Printed Glass	Substrate Material :	Stainless Steel
Lead Material :	Tinned Steel	Resistor Material :	Ruthenium Oxide

* Note : 20% values are not laser trimmed and offer enhanced surge handling.