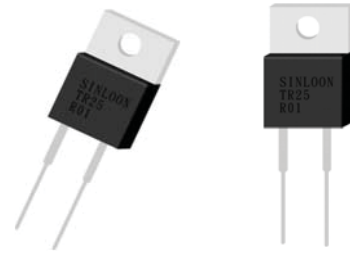


TO220 功率電阻

**TR25 (25W)
TO-220 Power Resistor**

Features:

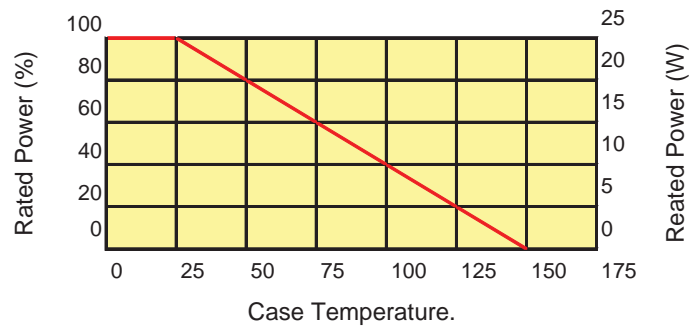
- ◆ 25 Watt at 25°C Case Temperature Heat Sink Mounted
- ◆ TO-220 Style Power Package
- ◆ Molded Case for Protection and Easy to
- ◆ Low Thermal Resistance to heat sink @Rth <5.5°C/W
- ◆ Isolated Case.
- ◆ Non Inductive



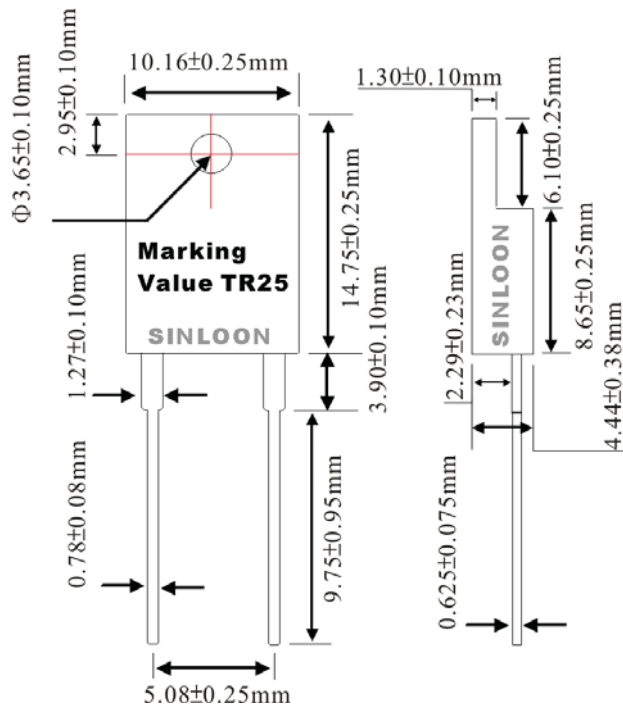
Applications:

- ◆ Switching Power Supplies.
- ◆ Snubbers Circuits.
- ◆ Automated Machine Controller.
- ◆ RF Power Amplifiers.
- ◆ Low Energy Pulse Loading.
- ◆ UPS.
- ◆ Voltage Regulation.

Derating curve:



Dimension:



ORDERING PROCEDURE:

Example: TR25JE22R0P

Type	Power:	Part No.	Tol.	T.C.R/°C	Resistance	Package
TO-220	20W	TR20	K = ±10%	B=±10ppm	R001=0.001Ω	TB = T/Box.
TO-220	25W	TR25	J = ±5%	C=±25ppm	R010=0.01Ω	B = Bulk
TO-220	30W	TR30	F = ±1%	D=±50ppm	R100=0.1Ω	R=Reel Type
TO-220	35W	TR35	D = ±0.5%	E=±100ppm	1R00=1Ω	P=Plastic Fistulous
TO-220	50W	TR50	C = ±0.25%	F=±200ppm	10R0=10Ω	
TR-247	100W	TR100	B = ±0.1%	G=±300ppm	100R=100Ω	



TO220 功率電阻

TR25 (25W)
TO-220 Power Resistor

Electrical Characteristics Specification

Resistance	Tolerance	TCR (ppm)	Packing
30m ~ 999m	±1%,±5%.	±100ppm	Bulk
1Ω ~ 1K Ω	±1%,±5%.	±200ppm	Bulk

- ◆ Operating Voltage: 350V
- ◆ Dielectric Strength: 1000VDC
- ◆ Insulation Resistance: 10G Ωmin
- ◆ Working Temperature Range: -65°C ~ +150°C
- ◆ Resistance Value < 1Ω is Available.

Environmental Characteristics

Test Item	Specification	Test Method
Temperature Coefficient of Resistance	30m ~ 999mΩ ±100ppm 1R ~ 1KΩ ±200ppm	Referenced to 25°C ΔR taken at +105°C
Short Time Overload	ΔR ±0.3%	2 times rated power with applied voltage not to exceed 1.5 times maximum continuous operating voltage for 5
Load Life	ΔR ±1.0%	MIL-R-39009, 2,000 hours at rated power.
Humidity (Steady State)	ΔR ±0.5%	MIL-STD-202F, Method 103B, 40°C, 90-95 RH, RCWV 105 hours NO, 0.5 hours OFF, total 1000-1048 hours.
Thermal Shock	ΔR ±0.3%	MIL-STD-202, Method 107G, - 65°C ~ 150°C cycle
Terminal Strength	ΔR ±0.2%	MIL-STD-202, Method 211, Cond. A (Pull Test) 2.4N
Vibration, High Frequency	ΔR ±0.2%	MIL-STD-202, Method 204, Cond. D.

Lead Material: Tinned Copper

Maximum Torque: 0.9 N-m

Derating (Thermal Resistance): 100% @25°C to 0% @150°C.

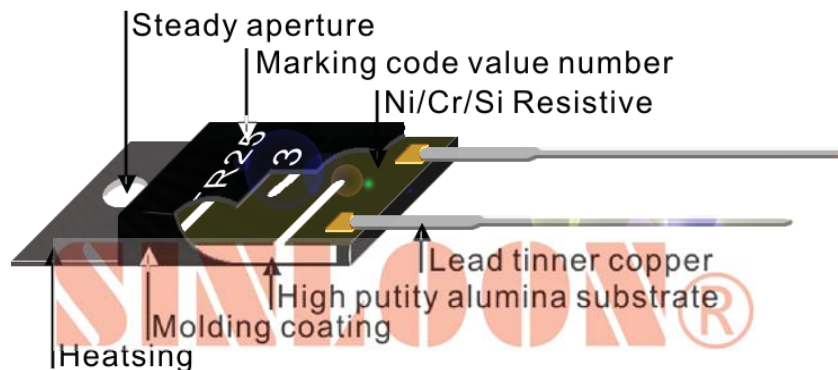
Without a Heat Sink, When in Free Air at 25°C, the TR25 is Rated for 2.50W.

The Case Temperature is to be used for the Definition of the Applied Power Limit.

The Case Temperature Measurement Must be Made with a Thermocouple Contacting the Center of the Component Mounted on the Designed Heat Sink.

Thermal Grease Should be Applied Properly.

TO220 Power Resistor Construction (結構圖)



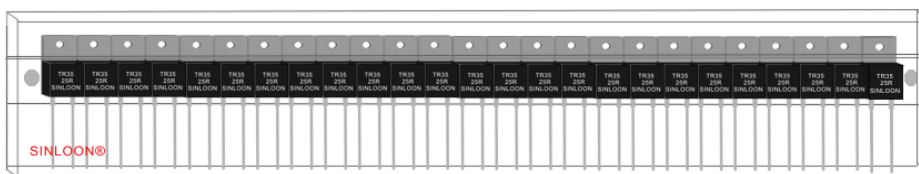
TO220 功率電阻

**TR25 (25W)
TO-220 Power Resistor**

PACKING



Type:		Power	Fistulous	In Box	Carton
TO-220	TR20	20W	25 pcs	10 Fistulous	2.5K/Ctn
TO-220	TR25	25W	25 pcs	10 Fistulous	2.5K/Ctn
TO-220	TR30	30W	25 pcs	10 Fistulous	2.5K/Ctn
TO-220	TR35	35W	25 pcs	10 Fistulous	2.5K/Ctn
TO-220	TR50	50W	25 pcs	10 Fistulous	2.5K/Ctn
TO-247	TR100	100W	20 pcs	10 Fistulous	2K/Ctn



Plastic Fistulous :
25 Pcs
Size:
520x33x7.0mm

Inside Box 10 Plastic Fistulous
In box Size:561x83x72mm



Carton : 10 / In Box
Carton Size: 580x450x175mm



Brand Label:SINLOON®

