

TO220 功率電阻

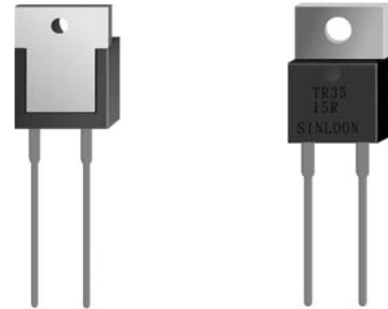
**TR35 (35W)
TO-220 Power Resistor**

Features:

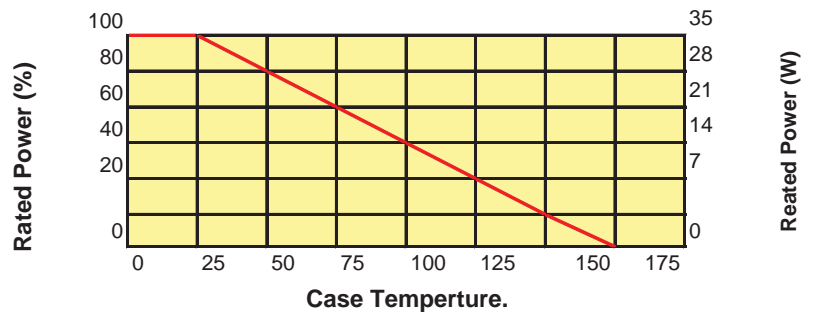
- 35 Watt @ 25°C Case Temperature Heat Sink Mounted.
- TO-220 Style Power Package.
- Single Screw Mounting to Heat Sink.
- Low Thermal Resistance to Heat Sink @ $R_{th} < 4.28 \text{ }^\circ\text{C/W}$.
- Molded Case for Protection and Easy to Mount.
- Isolated Case.
- Non Inductive.

Applications:

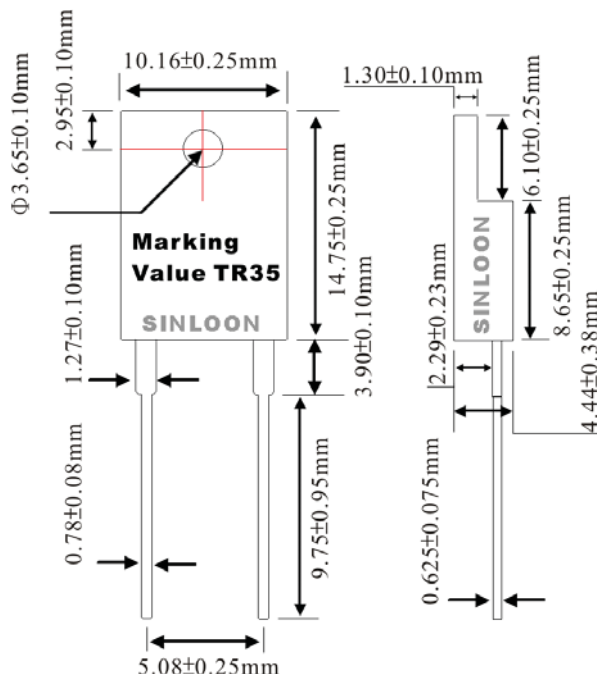
- Switching Power Supplies.
- Snubbers Circuits.
- Automated Machine Controller.
- RF Power Amplifiers.
- Low Energy Pulse Loading.
- UPS.
- Voltage Regulation.



Derating curve:



Dimension:



ORDERING PROCEDURE:

Example: TR35JE25R0P

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



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Electrical Characteristics Specification

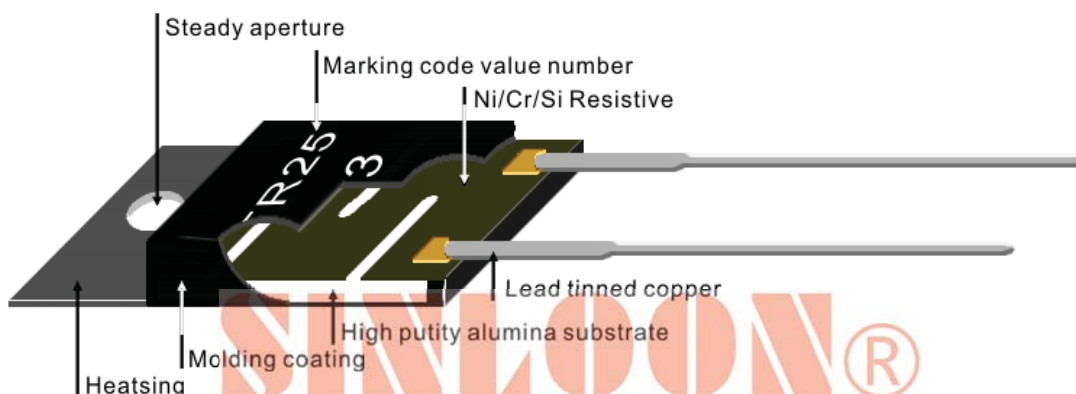
Resistance (Ω)	Tolerance	TCR (ppm)	Packing
0.05R ~ 1R	±5%,±10%.	±200ppm ~ ±500ppm	Bulk
2R ~ 5R	±1%,±5%,±10%.	±200ppm	Bulk
5.1R ~ 10R	±1%,±5%,±10%.	±100ppm ~ ±200ppm	Bulk
11R ~ 10K	±0.5%,±1%,±5%,±10%.	±50ppm ~ ±200ppm	Bulk

- Operating Voltage:350V Max.
- Dielectric Strength: 1800VAC
- Insulation Resistance: 10GΩmin.
- Working Temperature Range:-65°C to +150°C
- Resistance Value < 1Ω is Available

Test Item	Specification	Test Method
Temperature Coefficient of Resistance	30m ~ 999mΩ ±100ppm 1R ~ 1KΩ ±200ppm	Referenced to 25°C ΔR taken qt +105°C
Short Time Overload	ΔR ±0.3%	2 times rated power with applied voltage not to excel 1.5 times maximum continuous operating voltage for 5 seconds.
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 Frequenc	ΔR ±0.2%	MIL-STD-202, Method 204, Cond. D.

- ◆ Lead Material: Tinned Copper.
- ◆ Maximum Torque: 0.9 Nm.
- ◆ When in Free Air at 25°C, the TR30 is Rated for 2.5W.
- ◆ 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.

CONSTRUCTION:



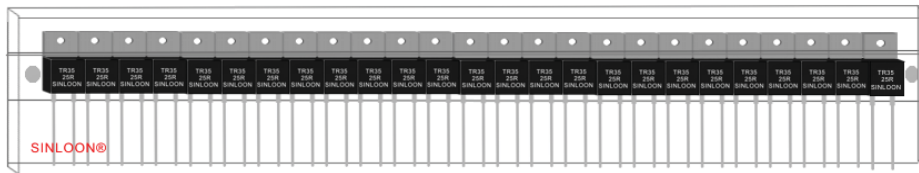
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PACKING



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®

