

GT1 Series NTC THERMISTOR

The GT1 series thermistors are manufactured using super stable NTC chips which are hermetically sealed in a glass package. They are heat resistant by virtue of glass-sealing .

It can be used in many tough environments like oil smoke, dust or humidity . Their uniform dimensions and axial lead configuration make them especially suitable for use with automatic insertion equipment.



FEATURES:

- Low cost
- Operation up to 250°C with high long-term stability
- Working temperature can be expanded to 300°C with nickel leads
- Resistant to corrosive atmospheres and harsh environments
- Tight tolerances on resistance and B value
- Designed for cost effective solid state sensor
- Due to its rugged construction and small size, it is capable of automatic mounting in circuit board

APPLICATIONS:

- Microwave oven meat probes
- Coffee maker
- Toaster
- Air conditions
- Induction cookers
- Automotive electrical power steering system
- Automotive air suspension system
- Other home appliance
- Other automotive application

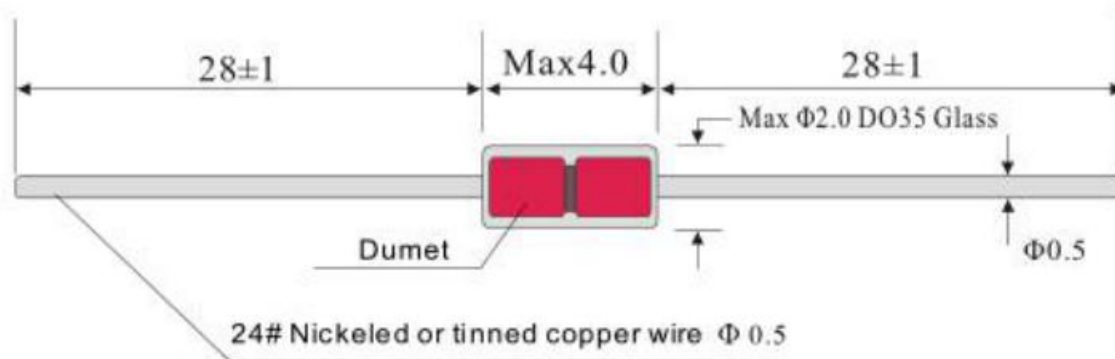
OPTIONS:

- Glass bead size : Max OD2.0*4.0mm, Max OD2.8*4.4mm, Max OD1.7*2.8mm
- Wire material: CP wire (Copper Clad Steel Wire) , available solder plated or nickel plated
- Wire gauge: 24# OD0.5mm
- Wire length: 28±1mm
- Package way: Ammo pack 5000pcs/box, bulk 500pcs/bag
- Stock parameters: 10k3270, 10k3380, 10k3435, 10k3950, 10k4100, 100k3950, 100k3977, 100k3990, 100k4010, 100k4250, 50K3950, 5k3270, 5k3470, 5k3950, 3k3470, 1k3200,

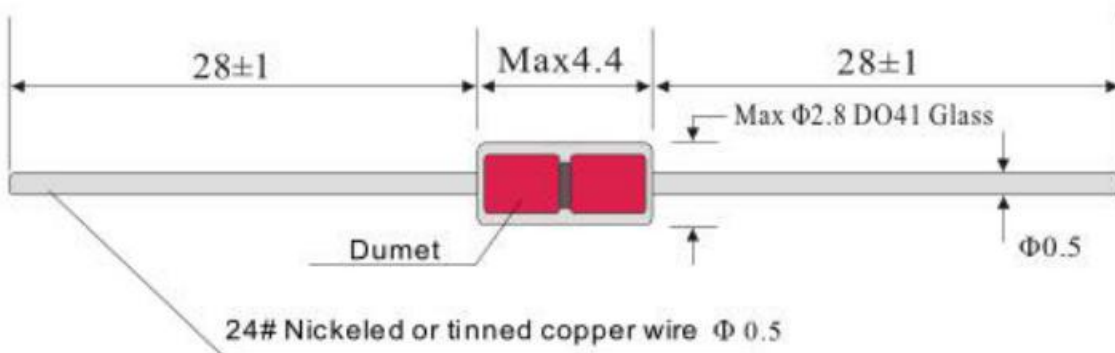
GT1 Series NTC THERMISTOR

DIMENSIONS (mm):

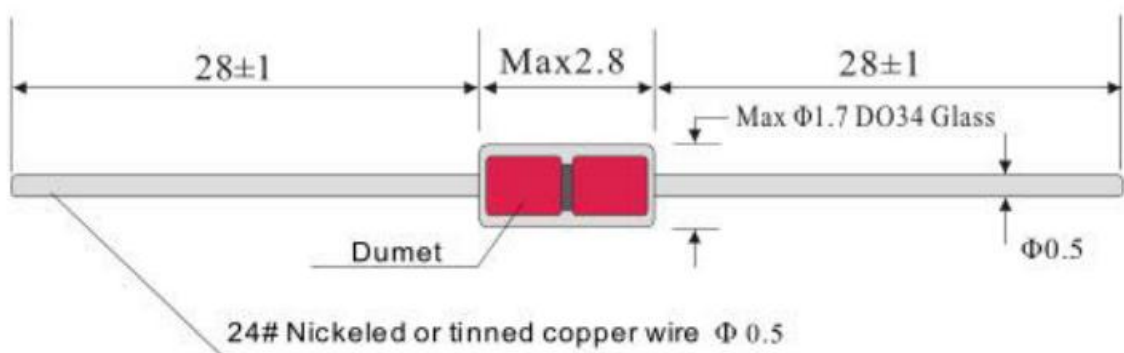
GT1A :



GT1B:



GT1C:



ELECTRICAL CHARACTERISTICS:

Type	Dissipation Constant (mW/°C) In still air	Thermal Time Constant (s) In still air	Working Temp.
GT1A	≥2.1	≤7	-40°C ~ 250°C
GT1B	≥3.0	≤8	-40°C ~ 250°C
GT1C	≥2.0	≤5	-40°C ~ 250°C

GT1 Series NTC THERMISTOR

ORDERING CODE:

GT1 A R25 103 F 3435 F B

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① **GT1:** Axial Type Glass Thermistor

② **Bead size:**

A:	DO35 Max OD2.0*4.0mm
B:	DO41 Max OD2.8*4.4mm
C:	DO34 Max OD1.7*2.8mm

③ **Rated temperature:** 25°C

④ **Resistance value at rated temperature(unit: K) :** 10k

⑤ **Resistance tolerance:** F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑥ **Beta value(unit: K) :** 3435

⑦ **B value tolerance:** F

D	E	F	G	H	J	K
±0.2%	±0.5%	±1%	±2%	±3%	±5%	±10%

⑧ **B value temperature code:** B

A	B	C	D	E	F	G	H	M	N	X
25/50	25/85	0/25	0/50	0/100	0/80	25/100	-18/25	-20/25	5/25	others

PACKAGING:

Packaging Option	Standard Quantity
Tape and Reel	5000pcs/ box
Bulk	500pcs/bag