

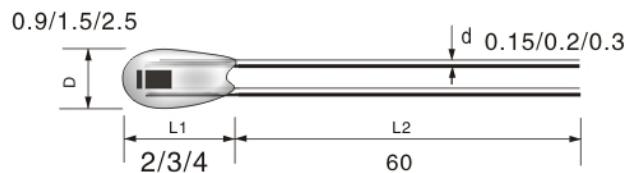
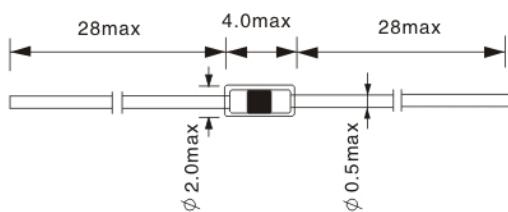
GT Series--Glass Sealed NTC Thermistor



-A (AXIAL)



-R (RADIAL)



FEATURES

- High reliability, stability, high sensitivity
- Wide range of resistance: 0.5 ~ 1000KΩ
- Usable in high-temperature and high-moisture environments due to the glass wrapping
- Small, light, firm structure, convenient automatic installation on PCB
- Rapid response time
- Operating temp. -55°C ~ +250°C

APPLICATION

- Temperature compensation and detection for office automation facilities (e.g. Copiers, printers etc.)
- Industrial, medical, environmental protection, weather and food processing equipment
- Household appliances (air conditioners, microwave ovens, electric fans, electric heaters)
- Liquid level display and flow water measurement
- Apparatus coils, integrated circuits, quartz crystal oscillators and thermocouples
- Electronics Thermometer
- Medical instrument

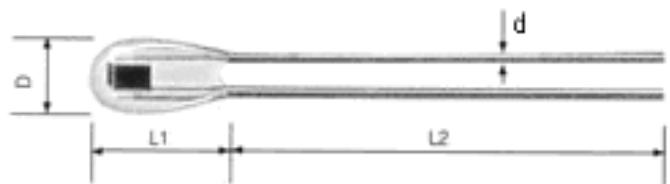
Part Number Identification

GT	103	F	3435	A	R	
①	②	③	④	⑤	⑥	
Product Series Code	Resistance @25°C	Tolerance	B Constance	Test Temp. of B	Shape	
GT	Glass Type NTC Thermistor	202 $20 \times 10^2 \Omega$	A $\pm 1\%$ B $\pm 2\%$ D $\pm 3\%$ F $\pm 5\%$ G $\pm 10\%$	3435: B=3435	A 25°C/50°C	A : AXIAL
	103 $10 \times 10^3 \Omega$					
	473 $47 \times 10^3 \Omega$		4100: B=4100	B 25°C/85°C	R : RADIAL	

AXIAL Type Electronic Parameter Specification

Parameter	Characteristics	Condition
R_{25}	$500 \Omega \sim 1M \Omega$	$25 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$
Tolerance of R_{25} (%)	$\pm 1\% \text{, } \pm 2\% \text{, } \pm 3\% \text{, } \pm 5\% \text{, } \pm 10\%$	$25 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$
B constance	$2500 \sim 5000 \text{K}$	$25 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$ $50 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$
Tolerance of B constance	$\pm 0.5\% \text{, } \pm 1\% \text{, } \pm 2\%$	$50 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$ $25 \text{ }^\circ\text{C} \pm 0.05 \text{ }^\circ\text{C}$
Dissipation factor(δ)	$\geq 1.5 \text{ mW/ } ^\circ\text{C}$	In still air
Thermal time constance (τ)	$\leq 17\text{s}$	In still air
Operating temperature	$-55 \text{ }^\circ\text{C} \sim +250 \text{ }^\circ\text{C}$	
Power rating	50 mW	@maximum operating temperature

Dimension



Part No. 型號	D max	L1 max	L2 min	d ±0.05
R1	2.5	4	60	0.3
R2	1.5	3	60	0.2
R3	0.9	2	60	0.15

-R RADIAL Type Electronic Parameter Specification

Part No.	Rated Resistance R_{25}		B Value (25/80°C)		Operating Temp. °C
	KΩ	Tolerance	K	Tolerance	
GT□□3450-R	2~10	±1% ±2% ±3% ±5%	3450	±0.5% ±1% ±2%	-20 ~ +250
GT□□3750-R	8~10		3750		
GT□□3950-R	10~50		3950		
GT□□4150-R	50~100		4150		
GT□□4200-R	100~350		4200		
GT□□4350-R	870~980		4350		
GT□□4450-R	1000~1500		4450		

Parameter	Characteristics			Condition
	R1	R2	R3	
Dissipation factor(δ)	1.2~1.3	0.7~0.8	0.4~0.5	In still air
Thermal time constance (τ)	10~11	4~5	2.3	In still air
Power rating	≤50	≤35	≤15	@maximum operating temperature