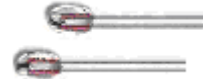
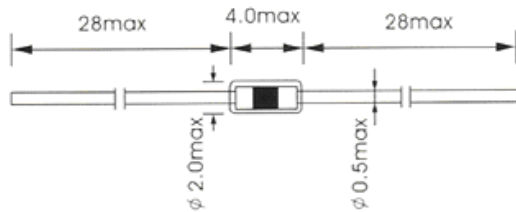


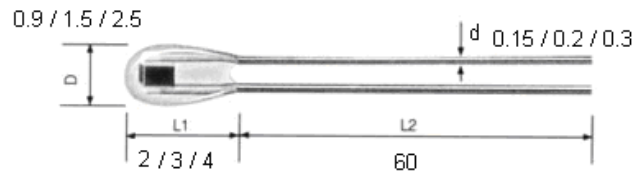
## GT Series –Glass Sealed NTC Thermistor



**-A (AXIAL)**



**-R (RADIAL)**



### FEATURES

- High reliability, stability. high sensitivity
- Wide range of resistance: 1~1000K $\Omega$
- 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 $^{\circ}$ C~+200 $^{\circ}$ C

### APPLICATION

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

### Part Number Identification

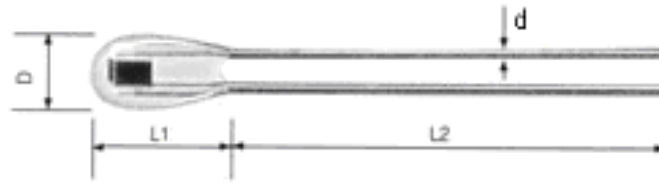
<b>GT</b>	<b>103</b>	<b>F</b>	<b>3435</b>	<b>A</b>	<b>-</b>	<b>B</b>
①	②	③	④	⑤		⑥

①		②		③		④	⑤		⑥
Product Series Code		Resistance @25°C		R25 Tolerance		B constance	Test temp. Of B		Shspe
GT	Glass Type NTC Thermistor	202	20×10 <sup>2</sup> Ω	A	±0.1°C	3435: B=3435	A	25°C/50°C	A : AXIAL
		103	10×10 <sup>3</sup> Ω	B	±0.25°C				
		473	47×10 <sup>3</sup> Ω	D	±0.5°C	4100: B=4100	B	25°C/85°C	R : RADIAL
		F	±1%						
				G	±2%				

### -A AXIAL Type Electronic parameter Specification

Parameter	Characteristics	Condition
R25	500 Ω ~ 1M Ω	25 °C ± 0.05 °C
Tolerance of R25 (%)	、±2% 、±3% 、±5% 、±10 %	25 °C ± 0.05 °C
B25/50 constance	2500 ~ 5000K	25 °C ± 0.05 °C 50 °C ± 0.05 °C
Tolerance of B constance (%)	±0.5% 、 ±2%	25 °C ± 0.05 °C 50 °C ± 0.05 °C
Dissipation factor( δ )	≥ 1.5 mw/ °C	In Still Air
Thermal time constant ( τ )	≤ 17S	In Still Air
Operating temperature	- 55 °C ~ + 250 °C	
Power rating	50 mw	@maximum operating temperature

## Dimension



Part No.	D max	L 1 max	L 2 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( $\delta$ ) (mw/ °C)	1.2-1.3	0.7-0.8	0.4-0.5	In Still Air
Thermal time constant ( $\tau$ )	10-11	4-5	2.3	In Still Air
Power rating (mw)	≤50	≤35	≤15	@maximum operating temperature