

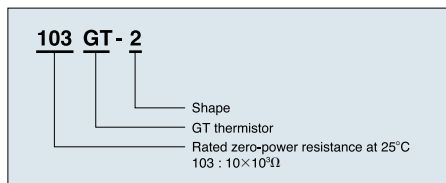
# HIGH HEAT-RESISTANCE AND HIGH SENSITIVE THERMISTOR

## GT THERMISTOR

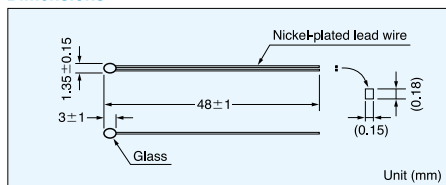
GT thermistor is combined both superior feature of BT thermistor and ET thermistor as fast response time, high reliability, wide category temperature range, high moisture proof, high accuracy and reasonable price.

GT thermistor is made up of a high quality thermistor element and the lead wire is connected to the thermistor element by alloyed technology, and glass coating for the thermistor element.

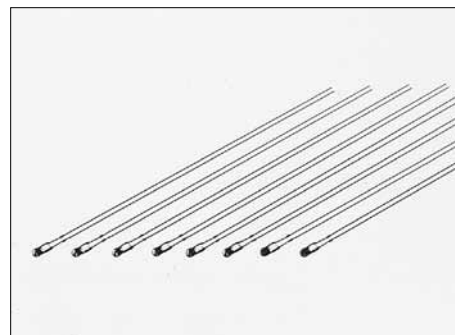
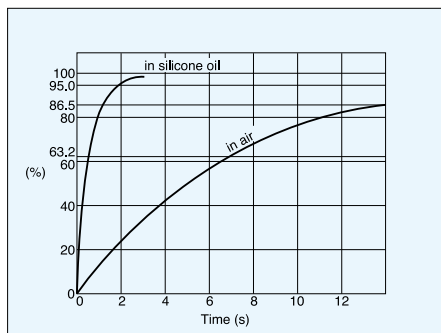
### Part number



### Dimensions



### Time constant



### Specifications

Part No.	R <sub>25</sub> *1	B value*2	Dissipation factor (mW/°C) Approx.	Thermal time constant(s)*3 Approx.	Rated maximum power dissipation (at 25°C)(mW)	Category temp. range(°C)
102GT-2	1.0kΩ ± 3%	3305K ± 2%	0.6	7	3.0	-50 ~ +200
202GT-2	2.0kΩ ± 3%	3838K ± 2%				
502GT-2	5.0kΩ ± 3%	3964K ± 2%				
103GT-2	10.0kΩ ± 3%	4126K ± 2%				
203GT-2	20.0kΩ ± 3%	4282K ± 2%				
503GT-2	50.0kΩ ± 3%	4288K ± 2%				
104GT-2	100.0kΩ ± 3%	4267K ± 2%				
104GTA-2	100.0kΩ ± 3%	4390K ± 2%				
204GT-2	200.0kΩ ± 3%	4338K ± 2%				
504GT-2	500.0kΩ ± 3%	4526K ± 2%				
105GT-2	1000.0kΩ ± 3%	4608K ± 2%				

### Specifications

Part No.	Rated zero-power resistance			temperature (°C)	B value*2	Dissipation factor (mW/°C) Approx.	Thermal time constant(s)*3 Approx.	Rated Electricity mW at 25°C	Category temp. range(°C)
	temperature*1 (°C)	resistance	tolerance						
252GT-2-20185	0	6kΩ	±5%	0/100	3390K ± 2%	0.6	7	3.0	-50 ~ +300
252GT-2-20197	25	2.5kΩ	±2.5%						
262GT-2-20198	0	8kΩ	±1%						
542GT-2-20184	75	0.7331kΩ	±3%	0/100	3450K ± 2%				
542GT-2-20186	0	15kΩ	±3%						
852GT-2-20156	50	3.485kΩ	±3%						
103GT-2-20196	25	10kΩ	±1%	25/85	3435K ± 1%				
103GTA-2-20199	25	10kΩ	±5%	25/125	3980K ± 2%				
303GT-2-20205	25	30kΩ	±3%	0/100	3970K ± 2%				
333GT-2-20204	125	1.509kΩ	±3%	0/100	3570K ± 2%				
493GT-2-20157	5	127kΩ	±2%	0/100	3970K ± 2%				
493GT-2-20159	75	7.214kΩ	±3%						
493GT-2-20188	40	26.06kΩ	±2%						
104GT-2-20201	25	100kΩ	±3%	100/200	4300K ± 3%				
234GT-2-20194	25	231.44kΩ	±3%	100/200	4537K ± 1%				
234GT-2-20195	150	3.161kΩ	±3%		4537K ± 2%				
145GT-2-20203	200	4kΩ	±5%		200/300	5133K ± 3%			

\*1 Rated zero-power resistance at each temperature.

\*2 B value : determined by rated zero-power resistance at each temperature.

\*3 Time when thermistor reaches 63.2% of the temperature difference. The value is measured in the air.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Semitec:](#)

[102GT-2](#) [103GT-2](#) [104GT-2](#) [104GTA-2](#) [105GT-2](#) [202GT-2](#) [203GT-2](#) [204GT-2](#) [502GT-2](#) [503GT-2](#) [504GT-2](#)