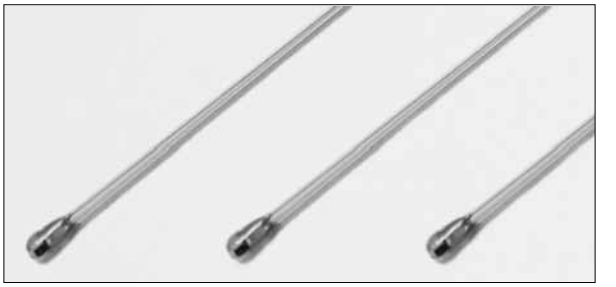
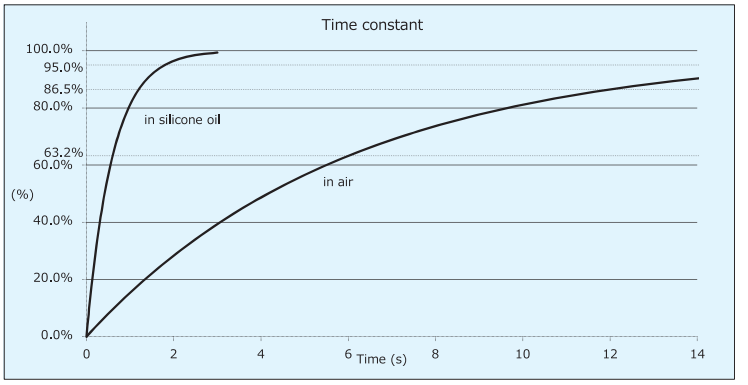
HIGH HEAT-RESISTANCE AND HIGH SENSITIVE THERMISTOR

NT THERMISTOR

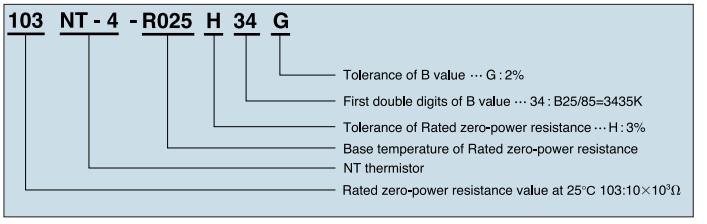
The NT thermistor with glass coating is superior in terms of fast response time, high reliability, wide category temperature range, high moisture proofness and high accuracy. The NT thermistor is made up of a high quality thermistor element and lead wires. The element and the lead wires are connected by alloying technology. Therefore the NT thermistor also has a high migration resistance. It offers a wide operating temperature range of -50℃ to 300℃, and it is primarily used in home electric appliances, full-automated manufacturing system, etc..



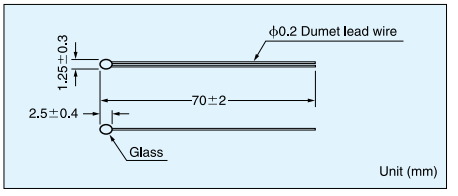
Time constant



Part number



Dimensions



Specifications

Part No.	Rated zero-power resistance *1			B value *2			Dissipation factor (mW/°C) Approx.	Thermal time constant (s)*3	Rated Electricity mW at 25°C	Category temp. range(°C)
	temperature (°C)	resistance (kΩ)	Tolerance	temperature (°C)	B value	Tolerance				
852NT-4-R050H34G	50	3.485	±3%	0/100	3450K	±2%	0.8	6(0.6)	4.0	−50～+300
103NT-4-R025H34G	25	10		25/85	3435K					
103NT-4-R025H41G	25	10		25/85	4126K					
493NT-4-R100H40G	100	3.3		0/100	3970K					
503NT-4-R025H42G	25	50		25/85	4288K					
104NT-4-R025H42G	25	100		25/85	4267K					
104NT-4-R025H43G	25	100		25/85	4390K					
204NT-4-R025H43G	25	200		25/85	4338K					
234NT-4-R200H42G	200	1		100/200	4537K					
504NT-4-R025H45G	25	500		25/85	4526K					
105NT-4-R025H46G	25	1000		25/85	4608K					

Other resistance tolerance is also available, please ask us.

★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. (silicon oil)

Mouser Electronics

Authorized Distributor

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

Semitec:

103NT-4-R025H34G 503NT-4-R025H42G 104NT-4-R025H43G 104NT-4-R025H42G 204NT-4-R025H43G 852NT-4-R050H34G 105NT-4-R025H46G 493NT-4-R100H40G 234NT-4-R200H42G 504NT-4-R025H45G 103NT-4-R025H41G