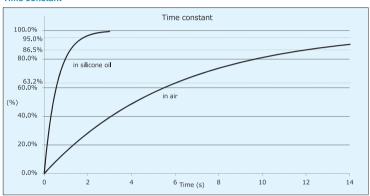
HIGH HEAT-RESISTANCE AND HIGH SENSITIVE THERMISTOR

NT THERMISTOR

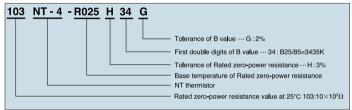
response time, high reliability, wide category temperature range, high moisture proofness and high accuracy. The NT thermistor is made up of a high quality thermistor element and lead wires. The element and the lead wires are connected by alloying technology. Therefore the NT thermistor also has a high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



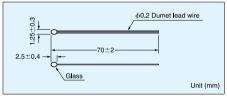
Time constant



Part number



Dimensions



Specifications

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

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Semitec:

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