

NT Thermistor Series (high temperature, high accuracy, glass-type)

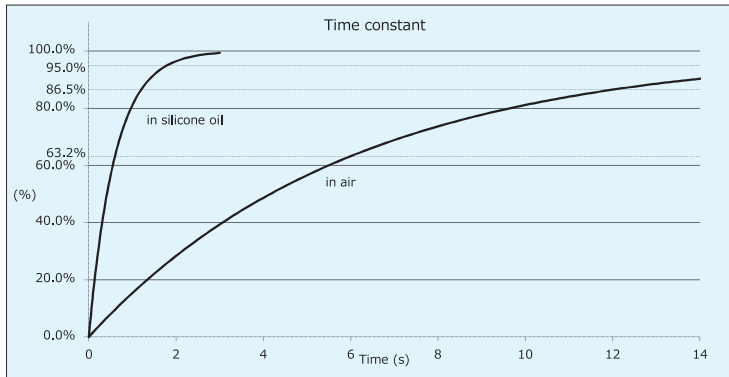
NT THERMISTOR

Semitec's NT-4 thermistor series features high temperature resistance and accuracy. Compared to conventional thermistors the NT-4 series thermistors are smaller, quicker and more reliable which makes them useful for many different applications.

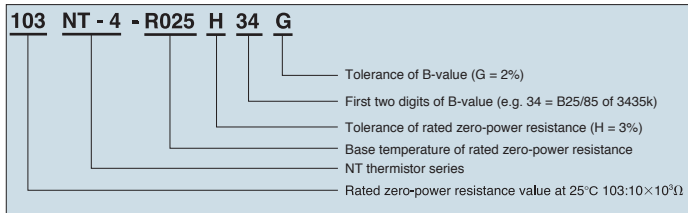
Applications

Heating/cooling devices, boilers, microwaves, domestic appliances, hybrid cars, fuel cell cars, other car appliances, medical, disaster prevention, security, office automation, other high-temperature applications

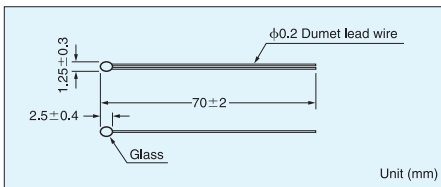
Time constant



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 values are also available. Please contact us.)

*1 Rated power resistance at each temperature.

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

*3 Time necessary to reach 63.2% of temperature difference. Measured in still air and oil (value in brackets).