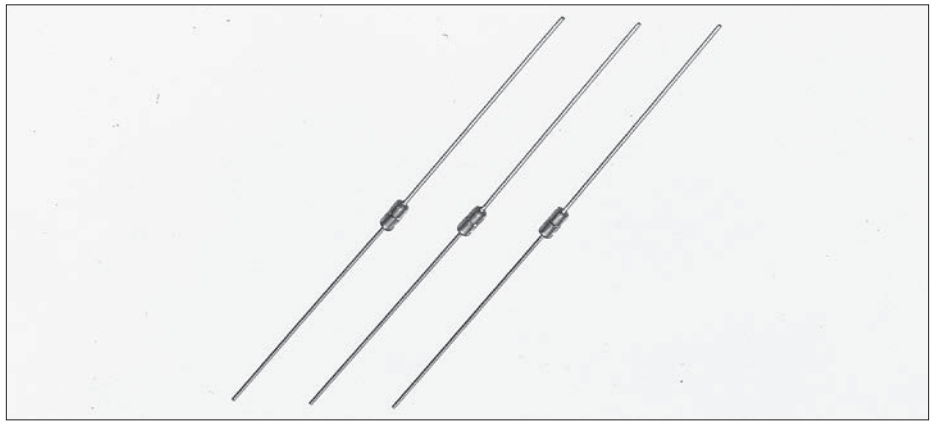
CT THERMISTOR

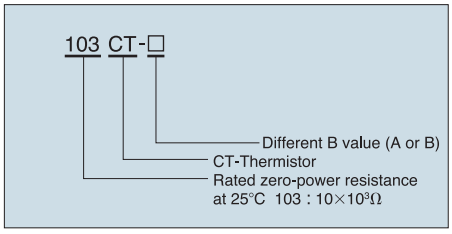
Using a glass encased thermistor chip Semitec's axial thermistor CT series features very high reliability and temperature resistance.



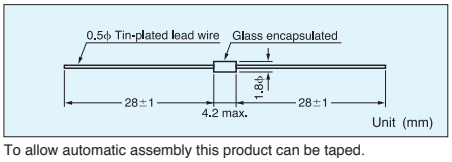
Applications

Household electronics, heating / cooling devices, boilers, kitchen equipment, solar systems, vending machines, (cooled) product showcases, batteries, refrigerators

Part number

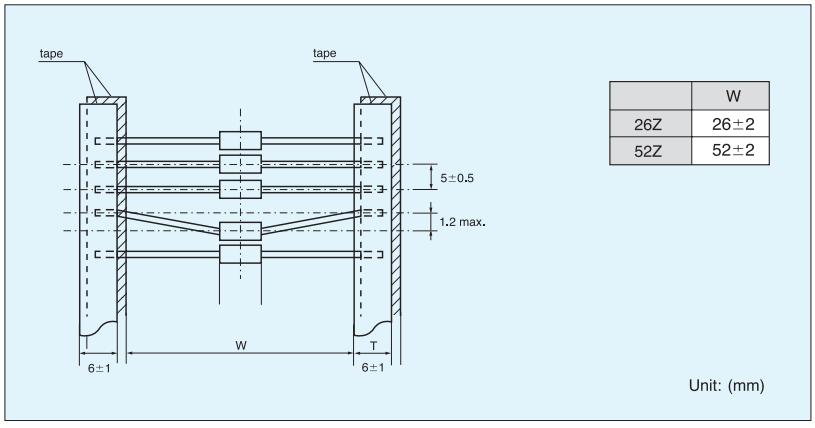


Dimensions



To allow automatic assembly this product can be taped.

Taping Specification



	W
26Z	26±2
52Z	52±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)	Lead wire	Packing method
	Temperature*1 (°C)	Resistance	Tolerance								
252CT-4	25	2.50kΩ	±5%	25/85	3670K±2%	2.1	10~20	10.5	−50~+250	Nickel plate	Individually packed
512CT-4		5.10kΩ			3200K±2%				−50~+200		
562CT-4		5.60kΩ			3200K±2%						
912CT-4		9.10kΩ			3270K±2%				−50~+250		
103CT-4		10.0kΩ			3270K±2%						
113CT-4		11.0kΩ			3270K±2%						
203CT-4		20.0kΩ			3410K±2%						
473CT-4		47.0kΩ			3610K±2%						
513CT-4		51.0kΩ			3610K±2%						
563CT-4		56.0kΩ			3610K±2%						
104CT-4		100kΩ			3450K±2%						
204CT-4		200kΩ			3500K±2%						
252CT-20218	0	7.881kΩ	±3%	25/50	3745K±2%				−40~+150	Tin plate	52mm taping
103CT-11005	25	10.0kΩ	±2%	25/50	3680K±2%				−30~+150		26mm taping
103CT-21048	25	10.0kΩ	±3%	25/85	4100K±2%				−40~+150		Individual
103CT-01006	25	10.0kΩ	±5%	25/85	3900K±2%				−30~+150		26mm taping
103CT-20217	0	30.0kΩ	±3%	25/50	3434K±2%				−40~+150		52mm taping
503CT-91027	50	19.727kΩ	±2.5%	25/85	3992K±2%						26mm taping
104CT-90113	25	100.0kΩ	±5%	25/85	4070K±2%						52mm taping
503CT-90083	85	5.911kΩ	±3%	25/85	3800K±2%				−40~+250	Nickel plate	Individual

*1 Rated zero-power resistance value at 25°C
*2 B-value determined by rated zero-power resistance at 25°C and 85°C
*3 Time necessary to reach 63.2% of temperature difference. Measured in still air.