

# THERMISTORS

## NTC Radial Lead Types

### Description

NTE compensation type NTC thermistors are small-sized radial lead ethoxyline resin-enveloped thermistors designed for high precision and fast response.

### Product Applications

- Home Appliances such as Air Conditioners, Refrigerators, Fans, Cookers, Washing Machines, Microwave Ovens, Radios, TVs, etc.
- Automotive Electronics
- Computers, Digital Meters

### Specifications

**Max. Power Rating (at 25°C):** 450mW

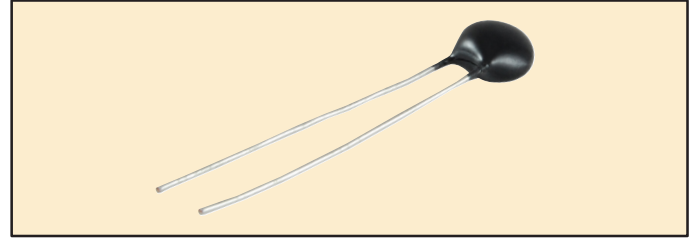
**Zero Power Resistance (at 25°C):** ± 10%

**Dissipation Factor:** ≥ 15mW/°C

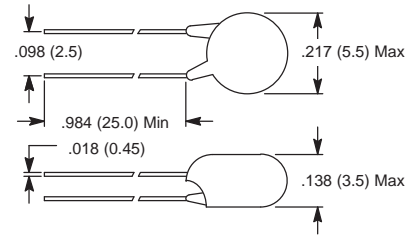
**Thermal Time Constant:** ≤ 15 sec

**Insulation Resistance:** ≥ 100MΩ

**Operating Temperature Range:** -40° to +125°C



T-01



NTE Type No.	Resistance (R <sub>25</sub> )	B Constant (B <sub>25/50</sub> )	Diag No.
02-N101-1	100Ω ±10%	3100K ±1%	T-01
02-N201-1	200Ω ±10%	3100K ±1%	T-01
02-N102-1	1KΩ ±10%	3800K ±1%	T-01
02-N302-1	3KΩ ±10%	3900K ±1%	T-01
02-N502-1	5KΩ ±10%	3900K ±1%	T-01
02-N103-1	10KΩ ±10%	3434K ±1%	T-01
02-N103-2	10KΩ ±10%	4100K ±1%	T-01
02-N503-1	50KΩ ±10%	4200K ±1%	T-01
02-N104-1	100KΩ ±10%	4400K ±1%	T-01
02-N204-1	200KΩ ±10%	4500K ±1%	T-01

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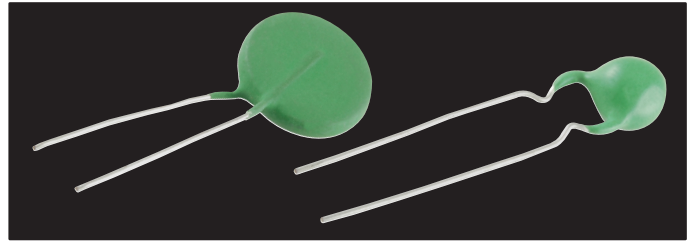
## PTC Radial Lead Types

### Description

NTE's PTC thermistors are small sized radial lead organic silicon resin thermistors designed for overcurrent and overload protection.

### Product Applications

- Overload and Current Protection of Mini Voltage Transformer Primary Loops, Chargers, Safe Guard Unit and Thunder Surge Protection Circuit for Telecom Apparatus, and Industry Controlling Exchangers
- Overcurrent Protection for Ammeters, Digital Multimeters, Micro Electric Machinery, and Transistors



## Specifications

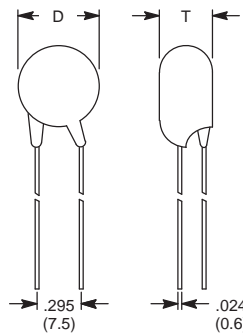
Zero Power resistance (at 25°): ± 20%

Surge Voltage Withstanding:  $V_{max} \times (1.2 \text{ to } 1.5)$

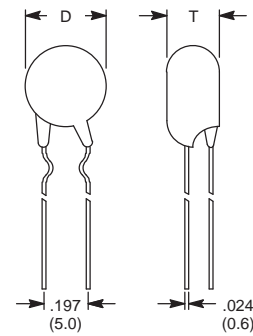
Restore Time: 60 sec max

Operating Temperature Range: 340° to +125°C

T302



T303



30	650mA	600mA	1500mA	1.0	4.0	120°C	T303	.433 (11.0)	.157 (4.0)
125	400mA	300mA	900mA	4.7	1.7	120°C	T302	.707 (18.0)	.177 (4.5)
125	135mA	110mA	340mA	22	0.8	120°C	T303	.394 (10.0)	.177 (4.5)
265	35mA	30mA	85mA	120	0.3	120°C	T303	.236 (6.0)	.177 (4.5)
265	25mA	20mA	75mA	330	0.2	120°C	T303	.236 (6.0)	.177 (4.5)