



# Quality Thermistor, Inc.

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## High Reliability PTC/NTC Thermistors

### Why QTI?

- DSCC (Defense Supply Center, Columbus) specifications dictating performance and inspection requirements
- High-reliability thermistors are suitable for critical applications in temperature measurement, temperature control, amplifier stabilization, power control, and numerous other applications
- Mission critical applications
- High reliability
- Space flight applications
- 100% screening capabilities
- In-house test facility
- Many values in stock
- Multiple terminations available for surface mount parts

FOR MORE INFORMATION  
PLEASE SEE US ONLINE AT  
[www.thermistor.com](http://www.thermistor.com)

#### HIGH RELIABILITY PTC THERMISTORS

PART STYLE	SPECIFICATION	OPERATING TEMP. RANGE	AVAILABLE RES. VALUES, IN OHMS	AVAILABLE TOLERANCES	POWER RATING, IN WATTS	THERMAL TIME CONSTANT MAX.
RTH22 	MIL-PRF-23648/9	-55° to 125°C	10 to 10K	5% 10%	.500 @ 25°C	60 Seconds
RTH42 	MIL-PRF-23648/19	-55° to 125°C	10 to 10K	5% 10%	.250 @ 25°C	60 Seconds
M32192/2 	MIL-PRF-32192/2	-55° to 125°C	22 to 5,620	1% 2% 5% 10%	.250 @ 25°C	30 Seconds
M32192/1 L MAX = .048" W MAX = .048" T MAX = .082" 	MIL-PRF-32192/1	-55° to 125°C	10 to 10K	1% 2% 5% 10%	.125 @ 25°	30 Seconds

#### HIGH RELIABILITY NTC THERMISTORS

PART STYLE	SPECIFICATION	OPERATING TEMP. RANGE	AVAILABLE RES. VALUES, IN OHMS	AVAILABLE TOLERANCES	POWER RATING, IN WATTS	THERMAL TIME CONSTANT MAX.
RTH06 	MIL-PRF-23648/1	-55° to 125°C	Ratio A, 68-560 Ratio B, 680-4.7K Ratio C, 7.5-75K	1% 2% 5% 10%	.500 @ 25°C	80 Seconds
RTH44 	MIL-PRF-23648/20	-55° to 125°C	Ratio A, 300-3K Ratio B, 1K-10K Ratio C, 30K-500K	1% 2% 5% 10%	.20 @ 25°C	25 Seconds
M32192/4 & /5 	MIL-PRF-32192/4 & /5	-55° to 125°C	47 ohm to 10Mohm 9 Ratios Available	1% 2% 5% 10%	.125 @ 25°C	8 Seconds
M32192/3 L MAX = .050" W MAX = .050" T MAX = .020" 	MIL-PRF-32192/3	-55° to 125°C	15 ohm to 20M 10 Ratios Available	1% 2% 5% 10%	.0625 @ 25°	10 Seconds