

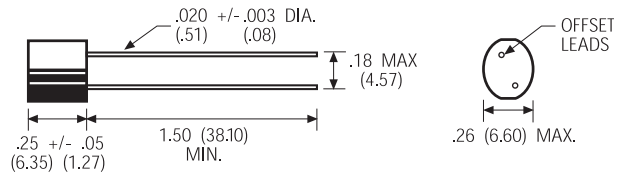
# NTC Military Grade Thermistors

## Military Grade Leaded Thermistors

These high-rel thermistors are suitable for critical applications in temperature measurement, temperature control, amplifier stabilization, power control, microprocessor interfacing, and numerous other applications. As the industry leader in Mil-Spec devices, we have a part to fill any need.



### Style RTH06 MIL-PRF-23648/1 Qualified



Note: Dimension in inches, (millimeters in parentheses)

### Style RTH44 MIL-PRF-23648/20 Qualified

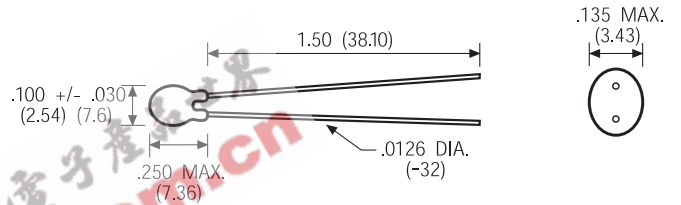
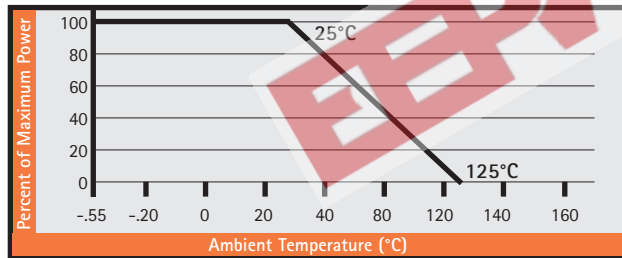
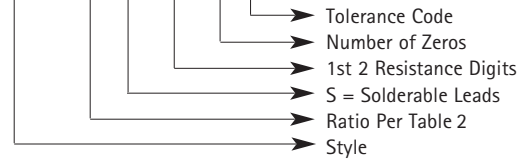


TABLE 1 Derating Curve for High Ambient Temperatures



### Ordering Information

**RTH06 B S 10 3 F**



#### Tolerance Options:

K = 10%    J = 5%    G = 2%    F = 1%

STYLE	RESISTANCE (OHMS) RANGE AVAILABLE MIN-MAX	RESISTANCE RATIO	DISSIPATION CONSTANT	THERMAL TIME CONSTANT MAX. SECONDS	POWER RATING @ 25C (derating per Table 1)	MIL-PRF-23648 RESISTANCE RATIO R(25C)/R(125C)
RTH06	68-560	A	5mW/C	80	0.5 Watts	19.8
	680-4700	B	5mW/C	80	0.5 Watts	29.4
	7.5K-75K	C	5mW/C	80	0.5 Watts	48.7
RTH44	300-3000	A	2mW/C	25	0.2 Watts	19.8
	1000-10K	B	2mW/C	25	0.2 Watts	29.4
	15K-500K	C	2mW/C	25	0.2 Watts	48.7

TABLE 2 Resistance Temperature Characteristics Multipliers

TEMPERATURE (°C)	RATIO 19.8 (A)	RATIO 29.4 (B)	RATIO 48.7 (C)
-55	54.790	100.00	-
-15	5.770	7.380	8.800
0	2.850	3.270	3.660
25	1.000	1.000	1.000
50	.405	.360	.3200
75	.184	.148	.1160
100	.0923	.0675	.0470
125	.0503	.0340	.0205