

NTC Surface Mount Thermistors

QT0805 Series

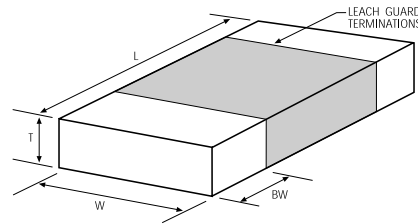
Quality Thermistor's QT0805 Surface Mount Thermistors are the ideal solution for temperature sensing functions found in temperature compensation networks.

The patented design features Leach Guard™ terminations which are able to withstand many of today's modern automated assembly and soldering processes. Standard EIA sizing allows for tape and reel packaging designed for automated placement equipment. Contact Technical Support for information regarding our SMD engineering kit.

Engineering Information

Thermal Time Constant:* 8 seconds (max.) - Still Air
 Dissipation Constant:* 2 mW/°C (min.) - Still Air
 Temperature Range: -65°C - 150°C
 Power Rating: 1/8 w (max.)

* Depends on mounting



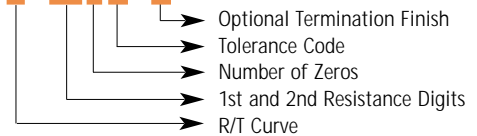
Dimensions QT0805 Style

L = .078" +/- .008"
 W = .049" +/- .008"
 T = .055" Max
 BW = .016" +/- .010"

PATENT #5,257,003

Ordering Information

QT0805Z-104K-?



Tolerance Options:

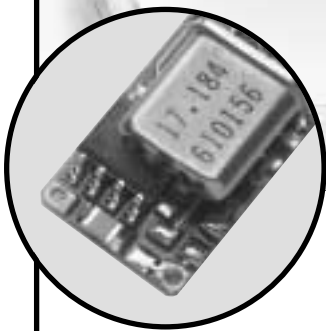
M +/- 20%
 K +/- 10%
 J +/- 5%

Other sizes and values available. Contact factory for details.

-Optional Termination Finishes*:

T = Pure Tin
 G = Gold

-Standard Termination Finishes: Solder Tin/Lead (not RoHS compliant)



Typical installation in TCXO (temperature compensated crystal oscillator) application



*Optional Termination Finishes are RoHS compliant

PART NUMBER	RESISTANCE @ 25°C (OHMS)	R-T CURVE	BETA (B) 75/25
QT0805K-500	50	K	2282
QT0805K-101	100	K	2282
QT0805X-102	1,000	X	3000
QT0805T-202	2,000	T	3181
QT0805Y-502	5,000	Y	3513
QT0805Y-103	10,000	Y	3513
QT0805Y-203	20,000	Y	3513
QT0805Z-503	50,000	Z	3966
QT0805Z-104	100,000	Z	3966
QT0805P-685	6.8 Meg	P	4829
QT0805P-106	10 Meg	P	4829