

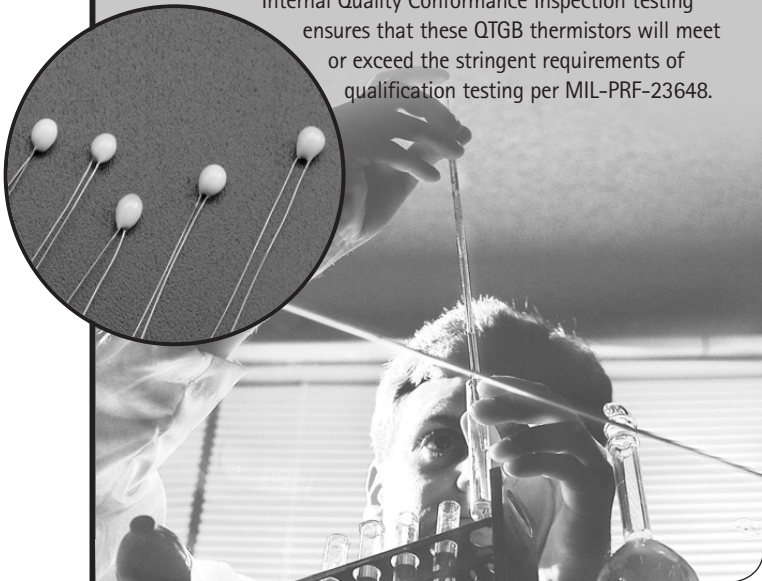
Glass Encapsulated

Quality Thermistor glass-bead NTC thermistors are designed for high-stability applications where reliability, repeatability, and/or high moisture resistance are crucial.

These QTGB series thermistors are designed for the harshest of environments, and virtually eliminate the concern of moisture related failure. The QTGB series is the only interchangeable offering in the industry with up to +/- .1°C accuracy.

The QTI glass-bead interchangeable thermistor has an ultra-tight tolerance guaranteed to track the specified resistance/temperature curve.

Internal Quality Conformance Inspection testing ensures that these QTGB thermistors will meet or exceed the stringent requirements of qualification testing per MIL-PRF-23648.



Device Features

- High Stability
- Interchangeable tolerances
- Hermetic, glass encapsulated bead
- Operating temperature range: -55°C to +300°C
- Meets or exceeds requirements of MIL-PRF-23648
- Dissipation Constant: 625mW min.
- Typical thermal time response (In still air): 20 Seconds

Capabilities

- Incorporate into many Quality Thermistor probe designs

Standard Configurations

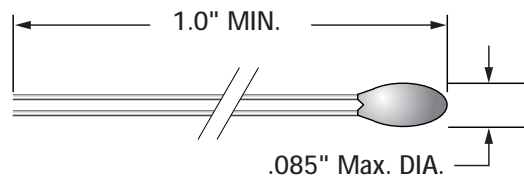
- #36 awg Platinum clad, Ni-Fe lead wires suitable for welding

Ordering Information

QTGB-14 D3



QTGB-14			
CURVE Z			
-4.4%/°C @ 25°C			
TEMP (°C)	R@ 25°C	MAX DEV%	NTC
-55	964,000	3.8%	7.400
-50	670,600	3.5%	7.200
-45	470,842	3.3%	6.961
-40	336,600	3.0%	6.700
-35	242,853	2.7%	6.442
-30	177,000	2.4%	6.200
-25	130,313	2.2%	5.984
-20	97,120	1.9%	5.800
-15	72,980	1.6%	5.650
-10	55,340	1.4%	5.500
-5	42,340	1.2%	5.300
0	32,660	1.0%	5.100
5	25,400	0.8%	4.950
10	19,900	0.5%	4.800
15	15,710	0.3%	4.650
20	12,490	0.1%	4.500
25	10,000	0.0%	4.400
30	8,058	0.2%	4.300
35	6,532	0.4%	4.150
40	5,326	0.6%	4.000
45	4,368	0.8%	3,900
50	3,602	1.0%	3.800
55	2,986	1.1%	3.700
60	2,488	1.2%	3,600
65	2,082	1.4%	3.500
70	1,751	1.6%	3.400
75	1,480	1.8%	3.350
80	1,256	1.9%	3.300
85	1,071	2.0%	3.200
90	916	2.1%	3.100
95	787	2.3%	3.000
100	679	2.4%	2.900
105	588	2.5%	2.850
110	511	2.6%	2.800
115	445	2.8%	2.750
120	389	2.9%	2.700
125	342	3.0%	2.600
130	301	3.1%	2.500
135	265	3.3%	2.440
140	235	3.4%	2.400
145	208	3.5%	2.353
150	185	3.5%	2.300



- A3 = +/- 1.0°C (0°C - 70°C)
- B3 = +/- 0.5°C (0°C - 70°C)
- C3 = +/- 0.2°C (0°C - 70°C)
- D3 = +/- 0.1°C (0°C - 70°C)

- K = +/- 10%
- J = +/- 5%
- G = +/- 2%
- F = +/- 1%

NTC THERMISTORS

RESISTANCE @ 25°C (Ω)	PART NUMBER	R/T CURVE	ALPHA @25°C
10,000	QTGB-14	Z	-4.4%/C