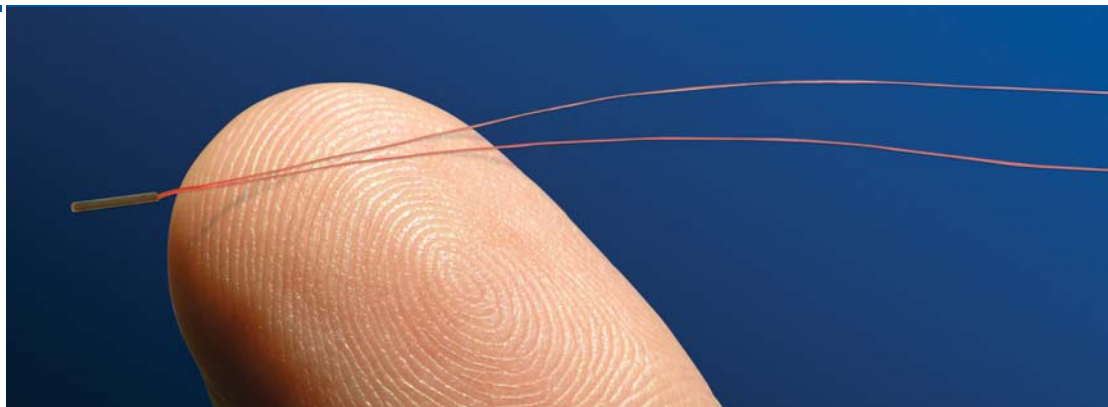


Micro Tube Thermistor



Miniature thermistors are ideal for measuring temperature in confined areas. The Micro Tube thermistor is an epoxy filled polyimide tube. The low thermal mass of the temperature sensor allows for a very fast thermal time response. The tube size of 0.020" maximum OD, allows for use in biomedical and instrumentation applications, the sensor is ideal for medical applications. Custom wire lengths available.



Miniature Thermistors & Temperature Probes

- Small thermistors allow for exceptionally fast thermal response time
- Suitable for miniature temperature probe housings
- Custom and semi custom products
- Polyimide tube provides dielectric barrier
- Available as point matched and interchangeable tolerances

Micro μ Tube 0.020" Max OD

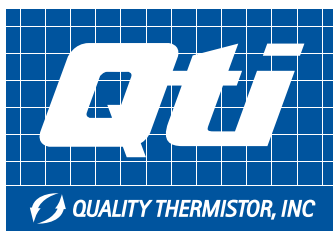
Epoxy filed polyimide tube with #38 AWG nickel conductor, Constantan wire

PART NUMBER	RESISTANCE	TOLERANCE
QTUT-7C3	2,252 Ω	+/- 0.2°C (0°C-70°C)
QTUT-11C3	5,000 Ω	+/- 0.2°C (0°C-70°C)
QTUT-14D3	10,000 Ω	+/- 0.1°C (0°C-70°C)

QTI's micro tube thermistors can be supplied in a wide variety of medical grade stainless steel housings. Contact QTI for information regarding standard and custom probe sizes and shapes.



Temp(°C)	RESISTANCE			
	2,252	3,000	5,000	10,000
0	7,355	9,798	16,330	32,660
5	5,720	7,620	12,700	25,400
10	4,481	5,970	9,950	19,900
15	3,538	4,713	7,855	15,710
20	2,813	3,747	6,245	12,490
25	2,252	3,000	5,000	10,000
30	1,815	2,417	4,029	8,058
35	1,471	1,960	3,266	6,532
40	1,199	1,598	2,663	5,326
45	984	1,310	2,184	4,368
50	811	1,081	1,801	3,602
55	672	896	1,493	2,986
60	560	746	1,244	2,488
65	469	625	1,041	2,082
66	453	603	1,005	2,010
67	437	582	971	1,941
68	422	563	938	1,875
69	408	544	906	1,812
70	394	525	876	1,751



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