

MT Series--NTC Thermistor for Medical Temperature Sensor

Making



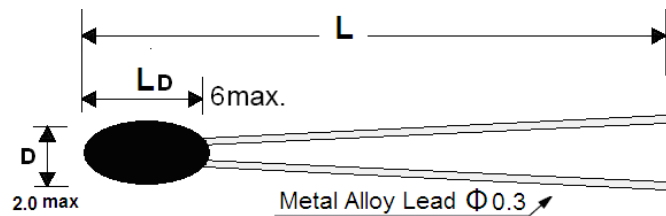
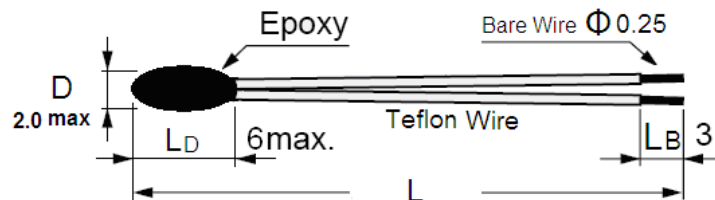
FEATURES

- Fast response: thermal time constant: 3.5S max in still air
- High stability
- Excellent thermal cycle endurance
- High accuracy: tolerance up to $\pm 0.02^{\circ}\text{C}$

APPLICATION

- For various kinds of medical temperature sensor making, e.g.: Skine/ Coelom / Body Temperature Sensor

DIMENSION



Unit: mm

Part Number Identification

MT 2K252 B 25C 3977A L25 T 0.3 D2.2

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① Product Series Code		② Resistance @④°C		③ 20-45°C Temp. Tolerance		④ Test Temp.		⑤ B Constance		⑥ Lead Length	⑦ Lead Wire	⑧ Wire Φ	⑨ Detector
MT	Medical Thermistor	2K252:	A	$\pm 0.02^\circ\text{C}$	25C:25°C	3977: B=3977		L25: L=25mm	T: Teflon B: Bare Metal	0.3: $\Phi 0.3$ mm	D2.2: 2.2mm		
		2.252K Ω	B	$\pm 0.05^\circ\text{C}$		A	25°C/50°C						
		10K00:	C	$\pm 0.1^\circ\text{C}$	B	25°C/85°C							
		10.0K Ω	D	$\pm 0.2^\circ\text{C}$	D	0°C/50°C							

Electronic Parameter Specification

Part No.	$R_{25^\circ\text{C}}$ (K Ω)	$R_{37^\circ\text{C}}$ (K Ω)	B(K)	Rated Power @25°C (mW)	Dissipation Factor(δ) (mW/°C)	Thermal Time Constant (S)
MT1K000□25C3977B	1.0	0.6016	3977	≤20	2	≤3.5 (depends on size)
MT2K252□25C3935A	2.252	1.355	3935			
MT6K000□25C3935A	6.0	3.610	3935			
MT10K00□25C3977B	10.0	6.016	3977			
MT10K00□25C3935A	10.0	6.016	3935			
MT10K00□25C3695B	10.0	6.258	3695			
MT20K00□25C4262B	20.0	11.628	4262			
MT30K00□25C3935A	30.0	18.048	3935			

◆ Special part number could be custom designed.