

IT Series--Electronic Thermometer Series High Precision

NTC Thermistor



FEATURES

- High accuracy tolerances to +/-0.1°C, Good coherence
- Small size, Fast response, High sensitivity
- High stability and High reliability
- Operating temperature range : -50°C ~ +110°C

APPLICATION

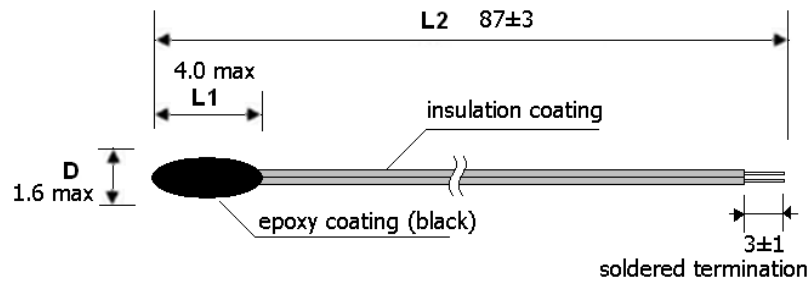
- Electronics thermometer
- Medical instrument

Part Number Identification

IT	103	F	3435	A	-	L87
①	②	③	④	⑤		Length(mm)

①		②		③		④		⑤		
Product Series Code		Resistance @25°C		Tolerance		B Constance		Test Temp. of B		
IT	Electronic Thermometer Series NTC Thermistor	202	20×10 ² Ω	A	±0.02°C	3435: B=3435	A	25°C/50°C		
				B	±0.05°C		B	25°C/85°C		
				D	±0.2°C		C	0°C/25°C		
		103	10×10 ³ Ω	F	±1%		4100: B=4100	D	0°C/50°C	
				G	±2%			E	0°C/100°C	
				H	±3%			F	25°C/100°C	
473	47×10 ³ Ω	J	±5%							

Dimension



Unit: mm

Electronic Parameter Specification

Part No.	$R_{25^{\circ}\text{C}}$ ($\text{K}\Omega$)	B(K)	Rated Power @ 25°C (mW)	Dissipation Factor (δ) ($\text{mW}/^{\circ}\text{C}$)	Thermal Time Constant (S)
IT502□3470A	5.0	$3470 \pm 1\%$	3.5	0.7	≤ 3.2
IT502□3950A	5.0	$3950 \pm 1\%$			
IT103□3470A	10.0	$3470 \pm 1\%$			
IT103□3950A	10.0	$3950 \pm 1\%$			
IT203□3950A	20.0	$3950 \pm 1\%$			
IT503□3950A	50.0	$3950 \pm 1\%$			
IT104□3950A	100	$3950 \pm 1\%$			

◆The B-tolerance is $\pm 1\%$ when R-tolerance within $\pm 3\%$, others are $\pm 2\%$.

◆Special part number could be custom designed.