

IT Series—Electronic Thermometer Series High Precision NTC Thermistor



FEATURES

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

APPLICATION

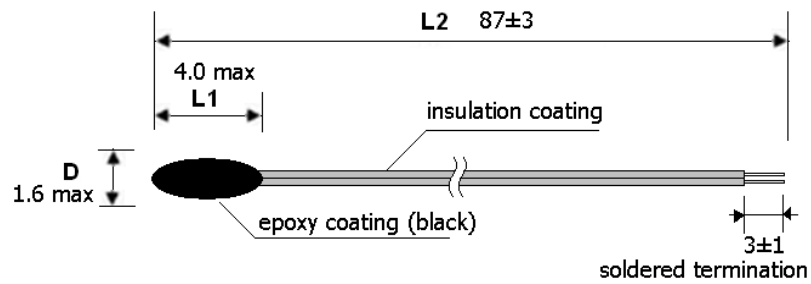
Electronics Thermometer/Medical instrument

Part Number Identification

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

①		②		③		④		⑤	
Product Series Code		Resistance @25°C		R25 Tolerance		B Constance		Test temp. Of B	
IT	Electronic Thermometer Series NTC Thermistor	R202	20×10 ² Ω	A	±0.1°C	3435: B=3435		A	25°C/50°C
				B	±0.25°C				
		R103	10×10 ³ Ω	D	±0.5°C	4100: B=4100		B	25°C/85°C
R473	47×10 ³ Ω	F	±1%						
				G	±2%				

Dimension



unit : mm

Electronic parameter Specification

Part No.	R25°C (KΩ)	B (K)	Rated Power @ 25°C (mw)	Dissipation factor(δ) (mW/°C)	Thermal time constant (s)
IT502□3470A	5.0kΩ	3470	3.5	0.7	3.2
IT502□3950A	5.0kΩ	3950	3.5	0.7	3.2
IT103□3470A	10.0kΩ	3470	3.5	0.7	3.2
IT103□3950A	10.0kΩ	3950	3.5	0.7	3.2
IT203□3950A	20.0kΩ	3950	3.5	0.7	3.2
IT503□3950A	50.0kΩ	3950	3.5	0.7	3.2
IT104□3950A	100KΩ	3950	3.5	0.7	3.2

*The B-tolerance is ±1% when R-tolerance within ±3%, others are ±2%.

*Special part number could be customizing.