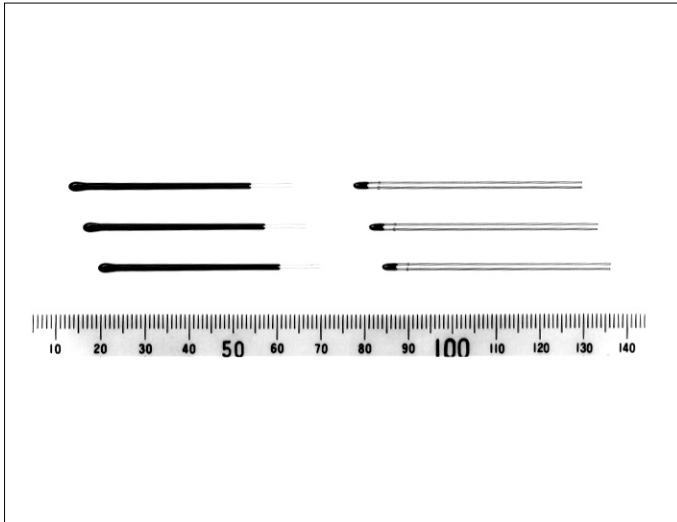


*Using breakthrough technology,
we aim for products that will create new markets.*

New Product News

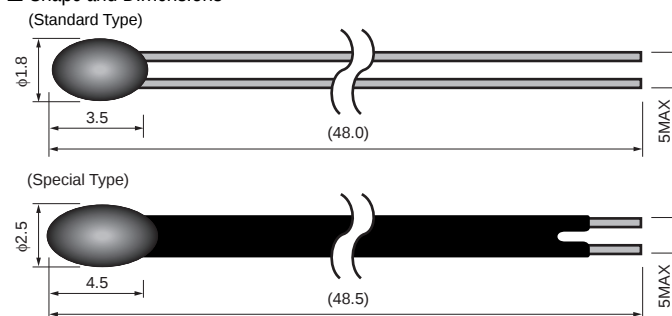
This is the first thermistor for middle and low temperature range which is much reduced to using the lead. (solder-free)

High reliability and high accuracy according to solder-free construction.

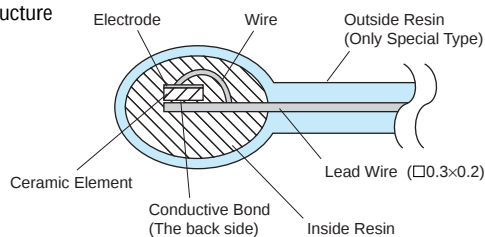


• Structure:

■ Shape and Dimensions



■ Structure



• Applications/usage examples:

- Temperature detection sensor for of Rechargeable battery cell
- PC, Home appliances and Air conditioner.

Thermistor

High Reliability Resin-Covered Type Thermistor ("F1 Series")

Industry/Field: AV, OA/Information, Mobil Communication, Car Electronics, Home Appliances, Industrial Equipment, Secondary Battery

• Development Target:

Temperature detection and control of Rechargeable battery cell, PC, Home appliances and Air conditioner.

• Features:

- 1 Ecology friendly without solder by newly developed bonding technique.
- 2 High Reliability (Thermal shock 20,000 cycle)
- 3 High Resistance Accuracy ($\pm 1\%$)

• Number of industrial property rights: 1 (pending)

• Characteristics/specifications:

Shape	Part Number	Zero-power Resistance (25°C)	B Value		Thermal Time Constant	Heat Dissipation Constant	Operation Temperature Range
			B25/50	B25/85			
Standard Type	ERTP1FG□202	2kΩ	3470K	3510K	With in 7 s	1.5 mW/°C	-40 to 125°C
	ERTP1FG□103	10kΩ	3390K	3435K			
	ERTP1FK□104	100kΩ	4330K	4390K			
Special Type	ERTP1FG□202A	2kΩ	3470K	3510K	With in 40 s	2.0 mW/°C	-40 to 125°C
	ERTP1FG□103A	10kΩ	3390K	3435K			
	ERTP1FK□104A	100kΩ	4330K	4390K			

□ Resistance Tolerance Code

• Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10	11	12
E	R	T	P	1	F	G	H	2	0	2	A
Product Code			Style		B Value		Resistance		Design Number		
					R Tolerance						