

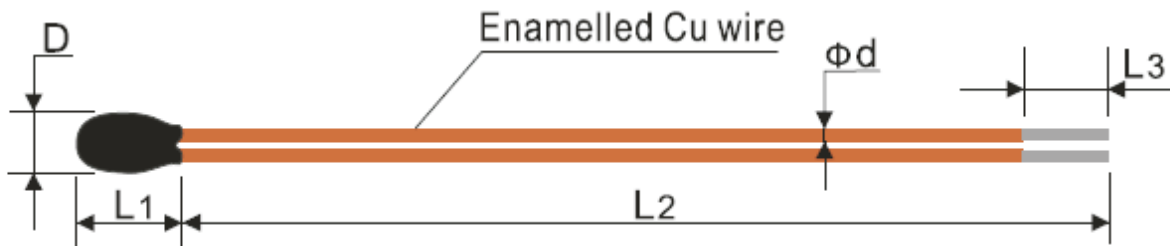
1. Characteristics

- 1.1 SMF52B series in the form of radial enameled Cu wire.
- 1.2 Wide resistance range 2~200KΩ
- 1.3 High precision of resistance and B value.
- 1.4 High temperature measurement precision, can be ± 0.1 .
- 1.5 Small dimension, fast response.
- 1.6 High reliability.
- 1.7 Can Operate in long time stability.
- 1.8 Operating temperature range: $-40 \sim +105$.

2. Application

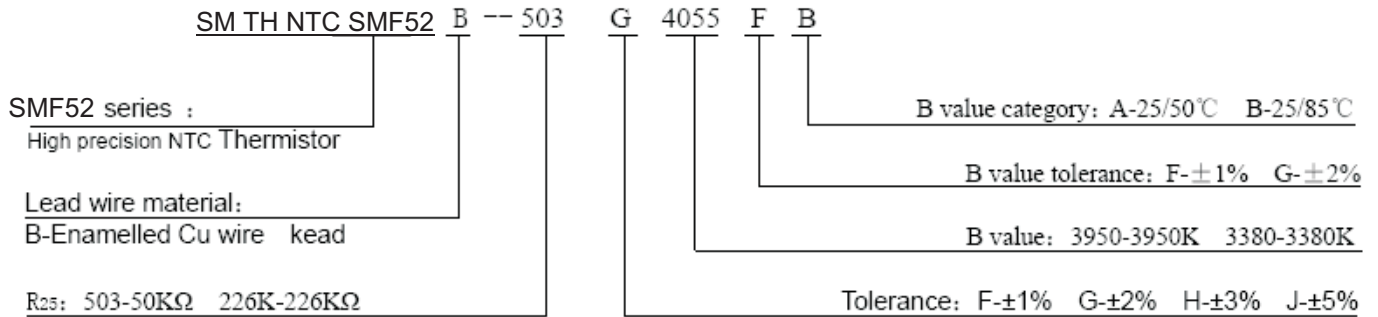
- 2.1 Electronic thermometer.
- 2.2 Medical apparatus.
- 2.3 Home appliance, such as air conditioner, refrigerator, deep freezer, soybean milk machine, bread machine, drinking machine, etc.

3. Dimension (Unit : mm)



Dmax	L1max	L2	L3±1	Φd±0.05
1.4	4.0	87±3	3	0.15or0.20

4. Part number explanation



5. Data sheet

Part Number	Resistance @25 $^{\circ}$ C (R ₂₅)		B Value		Operating Temperature (°C)	Dissipation Factor (mW/°C)	Thermal Time Constant (S)	Rated Power (mW)
	Resistance (K Ω)	Tolerance (\pm %)	B Value (K)	Tolerance (\pm %)				
SMF52B-402 3100 B	4	1, 2, 3	3100	0.5, 1	-40 $^{\circ}$ C~+105 $^{\circ}$ C	≥0.7 In still air	≤6 In still air	≤3.5
SMF52B-103 3435 B	10		3435					
SMF52B-103 3250 B	10		3250					
SMF52B-303 3760 B	30		3760					
SMF52B-403 3525 B	40		3525					
SMF52B-413 3435 B	41		3435					
SMF52B-503 4055 B	50		4055					
SMF52B-593 3617 B	59		3617					
SMF52B-833 4013 B	83		4013					
SMF52B-104 4132 B	100		4132					
SMF52B-226K 4021 B	226		4021					
SMF52B-232K 4274 B	232		4274					

Note: First for filling in resistance tolerance code name, Second for filling in B value tolerance code name.