

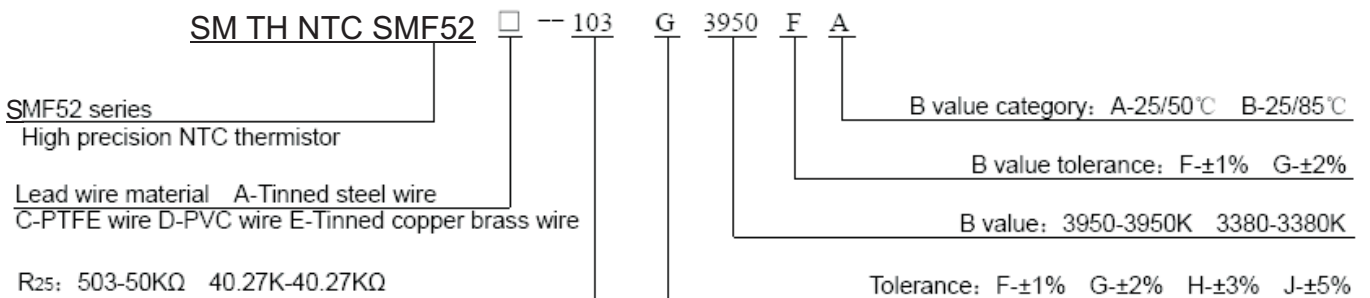
1. Characteristics

- 1.1 SMF52 series in the form of radial resin coated form.
- 1.2 Wide resistance range: 0.1~500KΩ
- 1.3 High precision of resistance and B value.
- 1.4 High measurement precision.
- 1.5 Small dimension, fast response.
- 1.6 Good consistency.
- 1.7 Can Operate in long time stability.
- 1.8 Operating temperature range: -40 ~ +125 .

2. Application

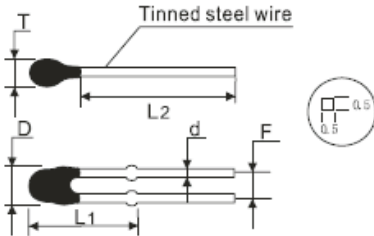
- 2.1 Home appliance such as air conditioner, refrigerator, deep freezer, soybean milk machine, bread machine, drinking machine.
- 2.2 Medical equipment and apparatus.
- 2.3 Temperature control instrument.
- 2.4 Electronic present.
- 2.5 Electronic temperature humidity meter.
- 2.6 Automobile temperature measurement.
- 2.7 Electronic table calendar.
- 2.8 Battery pack and battery charger.

3. Part number explanation



4. Dimension (Unit : mm)

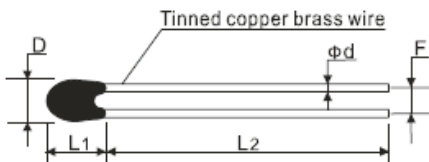
Model A: Tinned steel wire



Standard Dimension

Dmax	Tmax	L1max	L2min	d±0.1	F±0.5
3.8	2.5	9.5	12	0.5	2.5

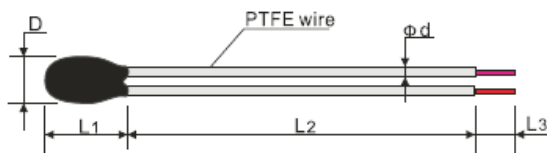
Model B: Tinned copper brass wire



Standard Dimension

Dmax	L1max	L2min	Φd±0.05	F±0.5
2.8	3.2	25	0.4	2.0

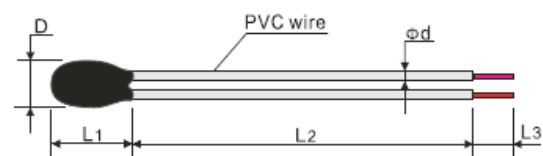
Model C: PTFE wire



Standard Dimension

Symbol	Dmax	L1max	L2min	Φd±0.05	L3±1
C1	3.5	5.0	Upon customer requirement	0.8	3or5
C2	3.0	4.0	Upon customer requirement	0.65	3or5

Model D: PVC wire



Standard Dimension

Symbol	Dmax	L1max	L2min	Φd±0.05	L3±1
D1	3.5	5.0	Upon customer requirement	0.8	3or5
D2	3.0	4.0	Upon customer requirement	0.65	3or5

5. Data sheet

Part Number	Resistance @25°C (R ₂₅)		B Value		Rated Power (mW)	Dissipation Factor (mW/°C)	Thermal Time Constant (S)	Operating Temperature (°C)
	Resistance (KΩ)	Tolerance (±%)	B Value (K)	Tolerance (±%)				
SMF52x-202x4000xA	2	1, 2, 3, 5	4000	0.5, 1, 2	≤50	≥2.0 In still air	≤12 In still air	-40°C~+125°C
SMF52x-2.55Kx3740	2.55		3740					
SMF52x-202x3930xA	2		3930					
SMF52x-202x3483xA	2		3483					
SMF52x-472x3950xA	4.7		3950					
SMF52x-502x3470xA	5		3470					
SMF52x-502x3950xA	5		3950					
SMF52x-802x3780xA	8		3780					
SMF52x-103x3270xA	10		3270					
SMF52x-103x3435xA	10		3435					
SMF52x-103x3470xA	10		3470					
SMF52x-103x3600xA	10		3600					
SMF52x-103x3950xA	10		3950					
SMF52x-103x3977xA	10		3977					
SMF52x-103x4100xA	10		4100					
SMF52x-153x3680xA	15		3680					
SMF52x-153x4100xA	15		4100					
SMF52x-203x4150xA	20		4150					
SMF52x-303x3950xA	30		3950					
SMF52x-40.27Kx3900xA	40.27		3900					
SMF52x-473x3950xA	47		3950					
SMF52x-473x3990xA	47		3990					
SMF52x-503x3950xA	50		3950					
SMF52x-503x3990xA	50	3990						
SMF52x-104x3950xA	100	3950						
SMF52x-104x4200xA	100	4200						
SMF52x-154x4370xA	150	4370						

Note: First for filling in lead wire type, second for filling in resistance tolerance code name, third for filling in B value tolerance code name.