

SURGiNG

紹 鑫 實 業



Thermistor

热敏电阻

MF52B Series

MF52B 系列珠状精密型

NTC 热敏电阻器

-用于温度测量及控制

MF52B series precise bead NTC thermistor

-applied for temperature measurement and controlling



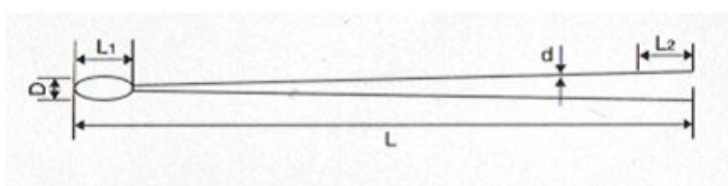
产品特点 PRODUCT FEATURES

1. SURGING 医疗用温度传感器可精确测量人体温度，且价格低廉 SURGING medical temperature sensor measures human body temperature accurately and the price is best
2. 精度高，可达 $\pm 0.1^{\circ}\text{C}$ high accuracy up to $\pm 0.1^{\circ}\text{C}$
3. 阻值及 B 值精度高 high accuracy of resistance and B value
4. 体积小，反应速度快 small size, fast response
5. 可靠性高 excellent reliability
6. 能长时间稳定工作 long time stable work is available
7. 高性价比客户代设计 design for customers with best performance-price ratio

应用范围 APPLICATION

1. 皮肤/体腔/体温测量 skin/body cavity/body temperature measurement
2. 成人/儿童食管和直肠/空气/皮肤温度检测 adults/child esophagus and rectum/air/skin temperature measurement
3. 医疗设备、卫生监测 medical facility, monitoring of hygiene

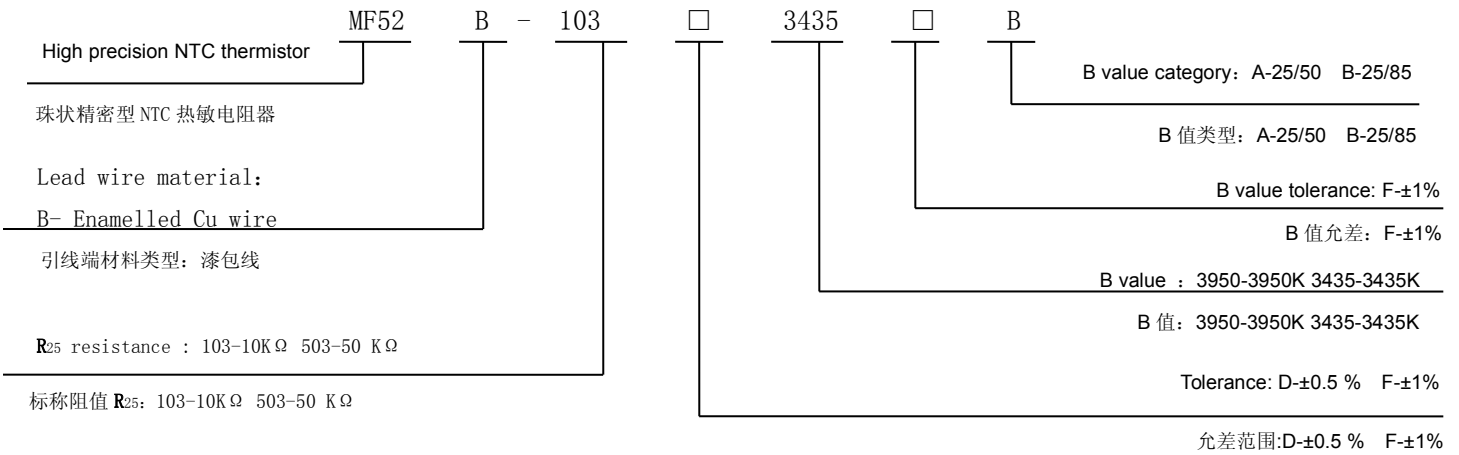
产品外形结构图 OVERALL STRUCTURE



单位 unit (mm)

D ± 0.1	L 1 ± 0.1	L ± 5	L 2 ± 1	d ± 0.01
0.8	1.6	87&100	3	0.15
1.2	2.2	87&100	3	0.2
1.4	3.0	87&100	3	0.2
1.6	4.0	87&100	3	0.22

产品型号说明 MARKING OF PART NUMBER



规格表 SPEC . Table

Part Number 型号	Resistance @25 额定电阻值 (R_{25})		B Value B 值		Operating Temperature 工作温度 ($^{\circ}$ C)	Dissipation Factor 耗散系数 (Mw/ $^{\circ}$ C)	Thermal Time Constant 热时间常数 (S)
	Resistance 电阻值 (K Ω)	Tolerance 允许偏差 (\pm %)	B Value 标称值 (K)	Tolerance 允许偏差 (\pm %)			
MF52B-103□3435□B	10	D - \pm 0.5% F - \pm 1%	B _{25/85} =3435	1	-40 $^{\circ}$ C~105 $^{\circ}$ C	\geq 0.7	\leq 6
MF52B-103□3977□B	10		B _{25/85} =3977				
MF52B-503□3950□A (R_{37} =30K Ω)	R_{37} =30		B _{25/50} =3950				

注/Note 1. 第一个方框填写产品类别，第二方框填标称阻值的精度代号，第三方框填写 B 值的精度代号。

1. To fill product category in the first box,fill the tolerance of resistance the second box,fill the tolerance of B value the third box .
2. 规格表中参数根据尺寸不同，其耗散系数和热时间参数不同，具体见详细的技术规格书。
- 2.The specification is made according to its size ,dissipation factor and thermal time,the details please refer to technical specification.