



负温度系数(NTC)热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF52 珠状测温型NTC热敏电阻系列

MF52 Pearl-Shape Temp Measurement NTC Thermistor series

● 应用范围

- 空调设备
- 暖气设备
- 电子体温计
- 液位传感器
- 汽车电子
- 电子台历
- 手机电池

Applications

- Air-condition Equipments
- Heating Apparatus
- Electric Thermometer
- Liquid Level Sensor
- Automobile Electricity
- Electric Table-board
- Battery of Mobile Telephone

● 特点

- 测试精度高
- 体积小、反应速度快
- 能长时间稳定工作
- 互换性、一致性好
- 规模化生产、性价比高

Characteristic

- High Testing Precision
- Small size, Fast Response
- Steady Operating For Long Time
- Good Quality of Coherence And Interchange
- Scale production, high ratio of Features to cost



江苏省高新技术产品 The Hi & Tech product of Jiangsu province
国家火炬计划项目产品 The product of national torch plan

● 安规认证 Approval

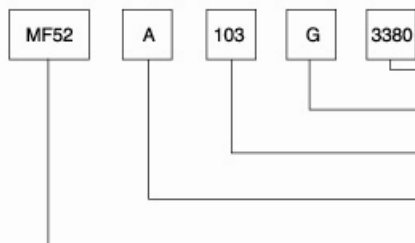


* UL 1434 认证
(File # E 240991)



* CQC 认证
(File # 07001019009)

● 产品标志说明 Specification



B值: 为3380K
B Value: namely 3380K
允许偏差代号: F $\pm$ 1% G $\pm$ 2% H $\pm$ 3% J $\pm$ 5% K $\pm$ 10%
Allowable tolerance code: F $\pm$ 1% G $\pm$ 2% H $\pm$ 3% J $\pm$ 5% K $\pm$ 10%
标称阻值: 103为10K Ω
Rated Resistance: 103 is 10K Ω
不同外型结构和尺寸代号: A型引线为镀锡铜线或镀锡铜包铜线
Different Configuration and code: Model A is Cu or cp Wire
型号: 为珠状测温型NTC热敏电阻器
Type: pearl-shape temperature measurement NTC thermistor

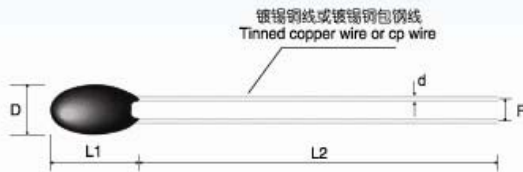
● 主要技术参数 Main Techno-Parameter

型号 Part No	标称阻值 R_{25} (K Ω) Rated Resistance R_{25} (K Ω)	B值 (25/50 $^{\circ}$ C) (K) B Value(25/50 $^{\circ}$ C) (K)	额定功率 (mw) Rated Power (mw)	耗散系数 (mW/ $^{\circ}$ C) Dissl. Coef. (mW/ $^{\circ}$ C)	热时间常数(S) Thermal time Constant(S)	工作温度($^{\circ}$ C) Operating Temp. ($^{\circ}$ C)
MF52□□□3100	0.1 ~ 20	3100				
MF52□□□3270	0.2 ~ 20	3270				
MF52□□□3380	0.5 ~ 50	3380				
MF52□□□3470	0.5 ~ 50	3470		≥ 2.0	≤ 7	
MF52□□□3600	1 ~ 100	3600				
MF52□□□3950	5 ~ 100	3950	≤ 50			-55 ~ +125 $^{\circ}$ C
MF52□□□4000	5 ~ 100	4000				
MF52□□□4050	5 ~ 200	4050		静止空气中 In Still Air	静止空气中 In Still Air	
MF52□□□4150	10 ~ 250	4150				
MF52□□□4300	20 ~ 1000	4300				
MF52□□□4500	20 ~ 1000	4500				



● 外形结构和尺寸 Dimensions(mm)

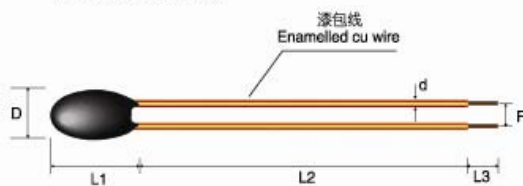
A型: (引线为镀锡铜线或镀锡铜包钢线)
(Tin, nickle cu or cp wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	d ± 0.05	F ± 0.5
A ₁	2.5	3.5	25	0.3	2.0
A ₂	3	4	25	0.45	2.5

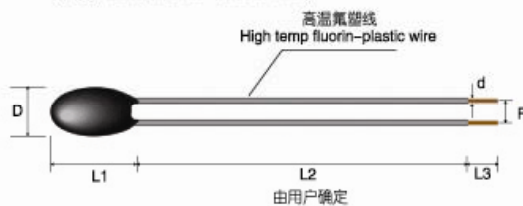
B型: (引线为漆包线)
(Enamelled cu wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	d ± 0.05	F ± 0.5
B ₁	2	3.5	用户确定 by user deter- mine	3	0.2	2.0
B ₂	3	4	用户确定 by user deter- mine	3	0.3	2.5

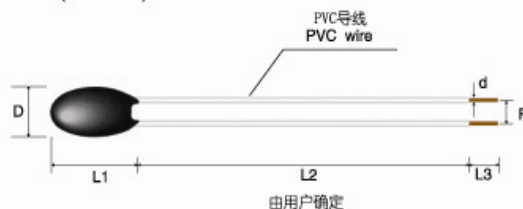
C型: (引线为高温氟塑线)
(High temp fluorin-plastic wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	d ± 0.05	F ± 0.5
C ₁	3	3.5	用户确定 by user deter- mine	5	0.4	2.0
C ₂	4	4	用户确定 by user deter- mine	5	0.5	2.5

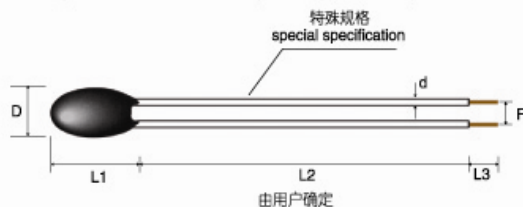
D型: (引线为PVC导线)
(PVC wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	d ± 0.05	F ± 0.5
D ₁	3	3.5	用户确定 by user deter- mine	5	0.26	2.5
D ₂	4	4	用户确定 by user deter- mine	5	0.32	2.5

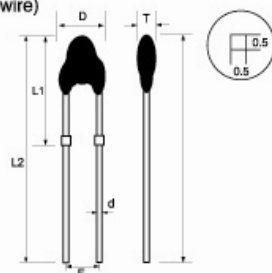
E型: (引线 and 包封头均为特殊规格)
(Lead and head are all special specification)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	d ± 0.05	F ± 0.5
E ₁	用户确定 by user deter- mine	用户确定 by user deter- mine	用户确定 by user deter- mine	5	用户确定 by user deter- mine	2.5
E ₂	用户确定 by user deter- mine	用户确定 by user deter- mine	用户确定 by user deter- mine	5	用户确定 by user deter- mine	2.5

F型: (引线为镀锡钢线)
(Tinned steel wire)



常规尺寸表
Normal dimension table

代号 Code	Dmax	L1max	L2 ± 1.5	d max	F ± 0.05	T max
F	3.8	9.5	17	0.5	2.5	3.5