

## 负温度系数(NTC)热敏电阻器

### Negative temperature coefficient (NTC) thermistor

#### MF52 珠状精密型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



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

- 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

- 安规认证 Approval



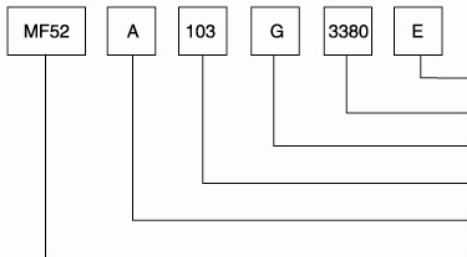
◎UL 1434认证

◎CQC 认证

(File # E 240991)

(File # 07001019009)

- 产品标志说明 Specification



B值允许偏差代号 (根据需要标注)  
The allowable tolerance of (Label by Requirement)  
E: ±0.5%, F: ±1%

B值: 为3380K  
B Value: namely 3380K  
阻值允许偏差代号: F ±1%, G ±2%, H ±3%, J ±5%, K ±10%  
Allowable tolerance code: F ±1%, G ±2%, H ±3%, J ±5%, K ±10%

标称阻值: 103为10KΩ  
Rated Resistance: 103 is 10KΩ

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: 珠状精密型NTC热敏电阻器  
Type: pearl-shape temperature measurement NTC thermistor

- 主要技术参数 Main Techno-Parameter

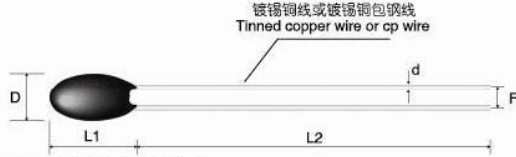
型号 Part No	标称阻值R <sub>25</sub> (KΩ) Rated Resistance R <sub>25</sub> (KΩ)	B值 (25/50℃) (K) B Value(25/50℃) (K)	额定功率 (mW) Rated Power (mW)	耗散系数 (mW/℃) Dissi. Coef. (mW/℃)	热时间常数(S) Thermal time Constant(S)	工作温度(℃) Operating Temp. (℃)
MF52□□□3100	0.1 ~ 20	3100				
MF52□□□3270	0.2 ~ 20	3270				
MF52□□□3380	0.5 ~ 50	3380				
MF52□□□3470	0.5 ~ 50	3470				
MF52□□□3600	1 ~ 100	3600		≥2.0	≤12	
MF52□□□3950	5 ~ 100	3950	≤50			-40 ~ +125℃
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				

## MF52 珠状精密型NTC热敏电阻系列

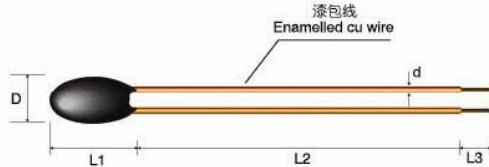
MF52 Pearl-Shape Temp Measurement NTC Thermistor series

### ● 外形结构和尺寸 Dimensions(mm)

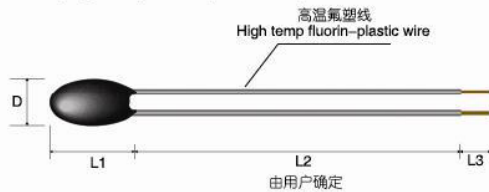
A型: (引线为镀锡铜线或镀锡铜包钢线)  
(Tin, nickel Cu or Cp wire)



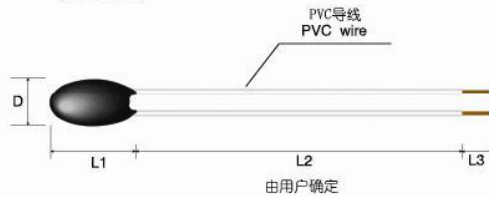
B型: (引线为漆包线)  
(Enamelled cu wire)



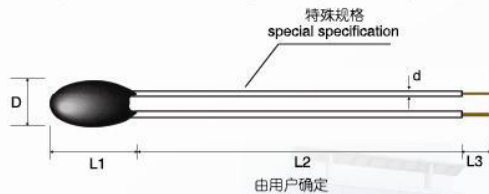
C型: (引线为高温氟塑线)  
(High temp fluorin-plastic wire)



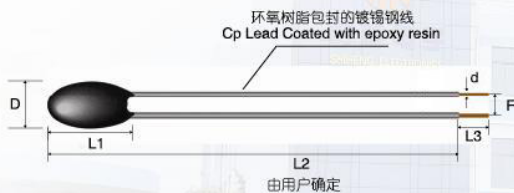
D型: (引线为PVC导线)  
(PVC wire)



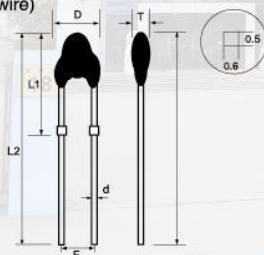
E型: (引线 and 封装头均为特殊规格)  
(Lead and head are all special specification)



DE型: (引线为环氧树脂包封的镀锡铜线)  
(Cp Lead Coated with epoxy resin)



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	L2min	d ± 0.05	F ± 0.5
A1	2.5	4.0	25	0.3	1.7
A2	3	4.5	25	0.45	2.2

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	d ± 0.05
B1	2	3.5	由用户确定 by user determine	3	0.2
B2	3	4	由用户确定 by user determine	3	0.3

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	线材型号
C1	3	7.5	由用户确定 by user determine	5	30#
C2	4	7.5	由用户确定 by user determine	5	28#

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	线材型号
D1	3	7.5	由用户确定 by user determine	5	30#
D2	4	7.5	由用户确定 by user determine	5	28#

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2min	L3 ± 1	线材型号
E1	由用户确定 by user determine	由用户确定 by user determine	由用户确定 by user determine	5	由用户确定 by user determine
E2	由用户确定 by user determine	由用户确定 by user determine	由用户确定 by user determine	5	由用户确定 by user determine

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2max	L3	d ± 0.05	F ± 0.5
DE1	3	6.0	55	客户定	0.3	/
DE2	4	7.5	35	客户定	0.45	/

常规尺寸表  
Normal dimension table

代号 Code	Dmax	L1max	L2 ± 1.5	d ± 0.1	F ± 0.05	T max
F	3.8	9.5	17	0.6	2.5	3.5

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