

MF52 Pearl-Shape Temp Measurement NTC Thermistor

產品簡介 Introduction

MF52 珠狀測溫型 NTC 熱敏電阻器是小體積的環氧樹脂包封型 NTC 熱敏電阻器，根據使用範圍的不同，已衍生多種系列產品。

Product Introduction

MF52 Pearl-Shape Precision NTC Thermistor is ethoxyline resin-enveloped thermistor in small size which is made from new material and by new technique, and we have researched and developed several kinds of products, according to the different application fields.

應用範圍

Application

- 空調設備 (Air-condition Equipments)
- 暖氣設備 (Heating Apparatus)
- 電子體溫計 (Electric Thermometer)
- 液位傳感器 (Liquid Level Sensor)
- 汽車電子 (Automotive electronics)
- 電子檯曆 (Electronic calendar)
- 手機電池 (Battery of Mobile Telephone)

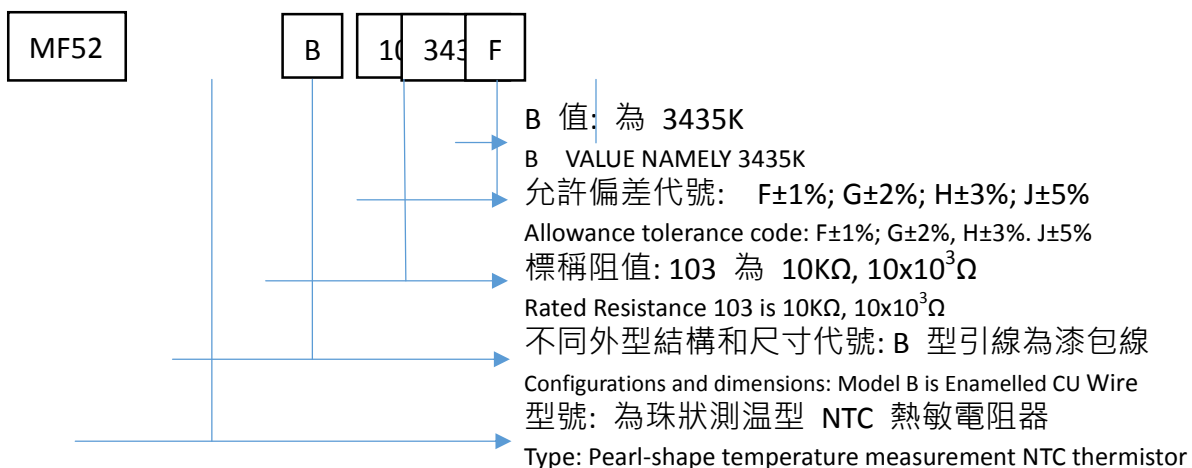
特點

Characteristics

- 測試精度高 (High Testing Precision)
- 體積小，反應速度快 (Small size, Fast Response)
- 能長時間穩定工作 (Steady Operating For Long Time)
- 互換性，一致性好 (Good Quality of Coherence And Interchange)
- 規模化生產，高比例的功能成本 (Scale production, High ratio of Features to cost)

產品標誌說明

Specification



電性能參數 Electronic performance parameters

產品型號 Part No.	標稱阻值 R ₂₅ Rated Resistance R ₂₅ (KΩ)	B 值 (25/50°C) B Value (25/50°C) (K)	額定 功率 (mw) Rated Power (mw)	耗散系數 (Mw/°C) Dissi. Coef. (Mw/°C)	熱時間常數 Thermal time Constant (S)	工作溫度 Operating Temp. (°C)
MF52 □□□ 3100	0.1 ~ 20	3100				
MF52 □□□ 3270	0.2 ~ 20	3270				
MF52 □□□ 3380	0.5 ~ 20	3380				
MF52 □□□ 3435	0.5 ~ 50	3435				
MF52 □□□ 3600	1 ~100	3600		≥ 2.0	≤ 15	
MF52 □□□ 3950	5 ~100	3950	≥ 50			-55~+125°C
MF52 □□□ 3977	5 ~100	3977		靜止空氣中 In Still Air	靜止空氣中 In Still Air	
MF52 □□□ 4000	5 ~100	4000				
MF52 □□□ 4050	5 ~100	4050				
MF52 □□□ 4150	10 ~250	4150				
MF52 □□□ 4350	20 ~1000	4350				
MF52 □□□ 4500	20 ~1000	4500				

註 : ● 第一方框填不同外形結構代號, 第二方框填標稱電阻值, 第三方框填標稱電阻值的精度代號。

- B 值 (25/50°C) 誤差 : 對於標稱電阻值精度為 ±1% 的, B 值對應誤差為 ±1%, 其餘 B 值誤差均為 ±2%。
- 除以上規格外, 我公司還可根據用戶特殊要求供貨。

Remark : ● The first pane fills with code of different dimensions. The second pane fills with Rated resistance, The third fills with its precision symbol.

- B Value ((25/50°C) tolerance : The corresponding tolerance is ±1% for which the precision of the rated resistance is ±1%. Others is ±2%.
- Besides, our corporation can supply products according to the demands of users.

注意事項 : ● 由於 MF52 系列體積較小, 焊點小, 引線兩端不能承受過大拉力。

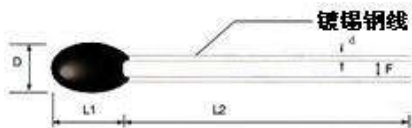
- 焊接時, 請在距引線根部至少 5mm 處焊接, 焊接時間就儘量短, 以免蕊片受熱衝擊導致性能劣化。

Notice : ● The two ends of the wire cannot endure too big pull because of the Small size and soldered spot in Series of MF25.

- While soldering, please soldering at the distance of 5mm from the bottom of wire at least and the Period of soldering should be as short as possible.

外形結構和尺寸 Dimensions (mm)

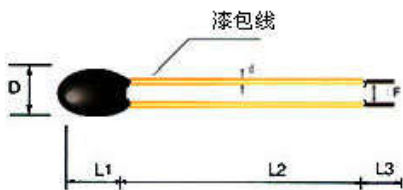
A 型：引綫為鍍錫銅綫或鍍錫銅包銅綫常規尺寸表
(Tin.nickle cu or cp wire)



Normal dimension table

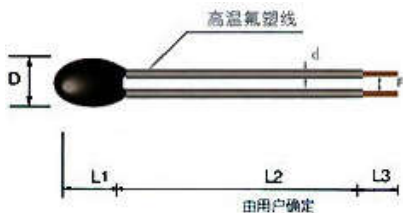
Code	D max	L1 max	L2 min	d± 0.05	F± 0.05
A1	2.5	3.5	25	0.3	2.0
A2	3	4	25	0.45	2.5

B 型：引綫為漆包綫常規尺寸表
(Enameled cu wire)Normal dimension table



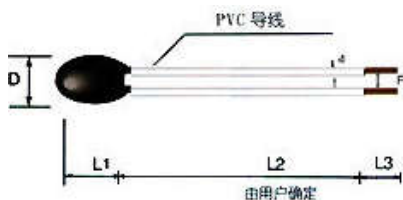
Code	D max	L1 max	L2 min	L3 ± 1.0	d± 0.05	F± 0.05
B1	2	3.5	Customer Specified	3	0.2	2.0
B2	3	4	Customer Specified	3	0.3	2.5

C 型：引綫為高溫氟塑綫常規尺寸表
(High Temp. fluorine-plastic wire)Normal dimension table



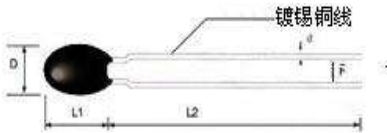
Code	D max	L1 max	L2 min	L3 ± 1.0	d± 0.05	F± 0.05
C1	3	3.5	Customer Specified	5	0.4	2.0
C2	4	4	Customer Specified	5	0.5	2.5

D 型：引綫為 PVC 導綫常規尺寸表
(PVC wire)Normal dimension table



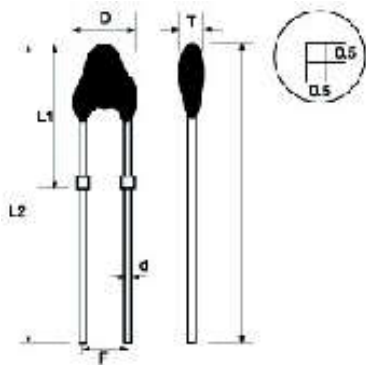
Code	D max	L1 max	L2 min	L3 ± 1.0	d± 0.05	F± 0.05
D1	3	3.5	Customer Specified	5	0.26	2.5
D2	4	4	Customer Specified	5	0.32	2.5

E 型：引綫和包裝頭均為特殊規格 常規尺寸表
 (Lead and head are all special specification)Normal dimension table



Code	D max	L1 max	L2 min	L3 ± 1.0	d±0.05	F± 0.05
E1	Customer Specified	Customer Specified	Customer Specified	5	Customer Specified	2.5
E2	Customer Specified	Customer Specified	Customer Specified	5	Customer Specified	2.5

F 型：引綫為鍍錫鋼綫常規尺寸表
 (Tinned steel wire)Normal dimension table



Code	D max	L1 max	L2 ± 1.5	dmax	F± 0.05	T max
F	3.8	9.5	17	0.5	2.5	3.5