



负温度系数(NTC)热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF51玻封测温型NTC热敏电阻器系列

MF51 Temperature-Measurement chip in glass NTC Thermistor series

● 应用范围

- 空调、暖气设备
- 电子体温计
- 液位传感器
- 汽车电子
- 电子台历

Applications

- Air-Conditioner. Heating Apparatus
- Electric Thermometer
- Liquid level sensor
- Automobile electronic
- Electric table-board



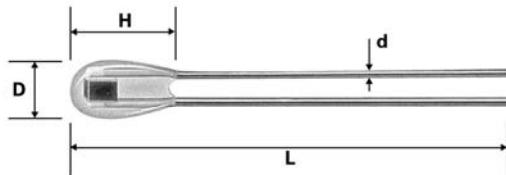
● 特点

- 体积小
- 测试精度高
- 反应速度快
- 一致性、互换性好
- 可在高温高湿等恶劣环境下使用

Characteristic

- Small size
- High testing precision
- Fast response
- Good quality of coherence and interchange
- It can be used in such worse environment as high temperature and humidity etc.

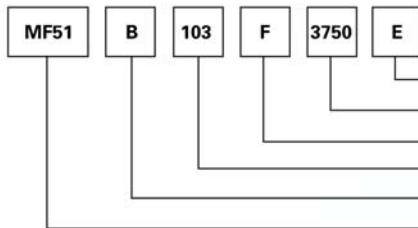
● 外形结构和尺寸 Dimensions(mm)



常规尺寸表
Normal dimension table

型号 Part No.	D	H	L	d
MF51-A	2.0±0.2	3.8±0.5	65±2.5	0.3±0.02
MF51-B	1.6±0.2	3.2±0.5	65±2.5	0.25±0.02
MF51-C	1.2±0.2	2.4±0.5	65±2.5	0.20±0.02

● 产品标志说明 Specification



B值允许偏差代号 (根据需要标注)
E: ±0.5%、F: ±1%
B值25/85°C: 为3750K
阻值允许偏差代号: F: ±1%、G: ±2%、
H: ±3%、J: ±5%、K: ±10%
标称电阻值: 103为10KΩ
外形尺寸代号: B型
型号: 为玻封测温型NTC热敏电阻器

The allowable tolerance of (Label by Requirement)
E: ±0.5%、F: ±1%
B Value 25/85°C: namely 3750K
Resistance Tolerance Code: Namely F ±1%、G: ±2%、
H: ±3%、J: ±5%、K: ±10%
Rated Resistance: 103 Name ly 10KΩ
Configuration Code: B model
Type: Temp-measurement chip in glass NTC thermistor

● 主要技术参数 Main Techno-Parameter

型号 Part No	耗散系数 (mw/0°C) Dissi. Coef. (mw/°C)	热时间常数(S) Thermal time Constant(S)	最大功耗@25°C Pmax (mW)
MF51-A	约1.4	约14	50
MF51-B	约0.9	约7	35
MF51-C	约0.75	约5	15

	型号 Part No	标称阻值R25 Rated Resistance R25		B 值 (25/85°C) B Value(25/85°C)	
		R25 (K Ω)	精度 Tolerance	K	精度 Tolerance
常规 型号	MF51□□□3435	2 ~ 10	±1% ±2% ±3% ±5%	3435	±1% ±2%
	MF51□□□3450	2 ~ 10		3450	
	MF51□□□3750	8 ~ 10		3750	
	MF51□□□3950	10 ~ 50		3950	
	MF51□□□4150	50 ~ 100		4150	
	MF51□□□4200	100 ~ 350		4200	
	MF51□□□4350	870 ~ 980		4350	
MF51□□□4450	1000 ~ 1500	4450			
特殊 型号	MF51□2.186K□3420	R25=2.186 R0=6	±2% ±3% ±5%	3420 (B0/100=3390)	±1% ±2%
	MF51□5.369K□3480	R25=5.369 R0=15		3480 (B0/100=3450)	
	MF51□49.12K□3992	R25=49.12 R100=3.3		3992 (B0/100=3970)	
	MF51□98.63K□4066	R25=98.63 R200=0.55		4066 (B100/200=4300)	
	MF51□231.4K□4240	R25=231.4 R200=1		4240 (B100/200=4537)	