

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

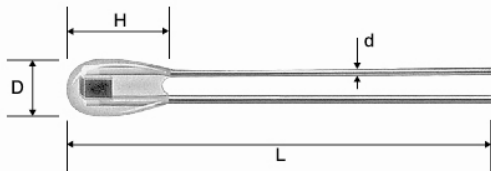
- 体积小
- 测试精度高
- 反应速度快
- 一致性、互换性好
- 可在高温高温等恶劣环境下使用

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.



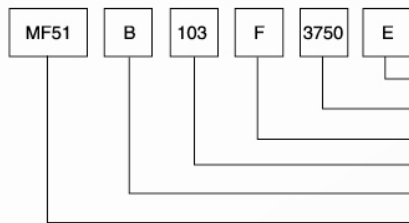
● 外形结构和尺寸 Dimensions(mm)



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	≥40	0.25±0.02
MF51-B	1.6±0.2	3.2±0.5	≥60	0.25±0.02
MF51-C	2.4±0.2	2.4±0.5	≥60	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℃: 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℃: 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/°C) Dissi. Coef. (mW/°C)	热时间常数(S) Thermal time Constant(S)	最大功耗@25℃ Pmax ( mW )	型号	标称阻值R <sub>25</sub> Rated Resistance R <sub>25</sub>		B 值 (25/85℃) B Value(25/85℃)		
					R <sub>25</sub> (K Ω)	精度 Tolerance	K	精度 Tolerance	
MF51-A	约1.4	约14	50	常规	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-B	约0.9	约7	35	常规	MF51□□□4350	870 ~ 980	4350	±1% ±2%	
				MF51□□□4450	1000 ~ 1500	4450			
MF51-C	约0.75	约5	15	特殊	MF51□2.186K□3420	R25=2.186 R0=6	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)			