



负温度系数(NTC)热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF51E测温型 (电子体温计专用) NTC热敏电阻系列

MF51 E Temperature measurement (Special for electrical thermometer) NTC thermistor series

● 应用范围 Applications

- 电子体温计 ○ Electrical thermometer
- 医疗设备 ○ Medical equipment

● 特点 Characteristics

- 体积小、重量轻 ○ Small size light weight
- 热感应快、灵敏度高 ○ Fast response to thermal, high delicacy
- 结构稳定、可靠性高 ○ High stability and reliability
- 阻值精度高、一致性好 ○ High precision of resistance, good quality of coherence

● 外形结构和尺寸 Dimensions(mm)



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外形结构 Dimension and constructure		常规尺寸表 Normal size table					椭圆形，径向引出，表面涂覆(或包封)绝缘结构 Leaded along with the direction, coated with insulation constructure
	外形尺寸 Dimension	D max	L1 max	L ± 3	L2 ± 1	d ± 0.05	
	常规尺寸 Normal size	1.6	4.0	100	3	0.2	
	特殊尺寸 Special size	1.6	4.0	87	3	0.2	
		用户确定 By user	用户确定 By user	用户确定 By user	用户确定 By user	用户确定 By user	

● 主要技术参数 Main Techno-Parameter

型号 Part No.	标称阻值R25℃ Nominal resistance R25℃		B值BValue (R25℃ / 50℃)		耗散系数 Dissipation mW/℃	额定功率 Rated power mW	热时间常数 Thermal time constant s	工作温度 Operating temperature ℃
	阻值范围(KΩ) Range	允许偏差(%) Tolerance	标称值(K) Nominal value	允许偏差(%) Tolerance				
MF51E□□3270	0.2 ~ 20	E ± 0.5	3270	E ± 0.5	≥ 0.7	3.5	≤ 3.2	-40 ~ 100℃
MF51E□□3380	0.5 ~ 50		3380					
MF51E□□3470	0.5 ~ 50		3470					
MF51E□□3600	1 ~ 100		3600					
MF51E□□3950	5 ~ 100		3950					
MF51E□□4000	5 ~ 100		4000					
MF51E□□4050	5 ~ 200		4050					
MF51E□□4150	10 ~ 250		4150					
MF51E□□4300	20 ~ 1000		4300					
MF51E□□4500	20 ~ 1000		4500					

注：第一方框填标称阻值；第二方框填标称阻值允许偏差代号；*允许偏差可特别指定；
Remark: Nominal resistance fills with the first volume; allowable tolerance code of Nominal resistance fills with the second volume; * allowable tolerance can be indicated;

● 对于MF51E 503F3950，详细参数如下 As for MF51E 503F3950, to get the detailed parameter as following table

MF51E 503F3950 37℃(±0.01℃)时电阻分档表(Resistance calibration table at 37℃ ± 0.01℃)

档 位 group	阻值Resistance (KΩ)			档 位 group	阻值Resistance (KΩ)			档 位 group	阻值Resistance (KΩ)		
	最小值min	中间值mid	最大值max		最小值min	中间值mid	最大值max		最小值min	中间值mid	最大值max
1	29.085	29.111	29.137	12	29.668	29.695	29.721	23	30.264	30.291	30.318
2	29.138	29.164	29.189	13	29.722	29.749	29.775	24	30.319	30.346	30.373
3	29.190	29.216	29.242	14	29.776	29.802	29.828	25	30.374	30.401	30.428
4	29.243	29.269	29.294	15	29.829	29.856	29.883	26	30.429	30.456	30.483
5	29.295	29.322	29.348	16	29.884	29.910	29.936	27	30.484	30.511	30.538
6	29.349	29.375	29.400	17	29.937	29.964	29.991	28	30.539	30.566	30.593
7	29.401	29.428	29.454	18	29.992	30.019	30.045	29	30.594	30.622	30.649
8	29.455	29.481	29.507	19	30.046	30.073	30.100	30	30.650	30.677	30.703
9	29.508	29.535	29.561	20	30.101	30.128	30.154	31	30.704	30.731	30.758
10	29.562	29.588	29.614	21	30.155	30.182	30.209	32	30.759	30.785	30.811
11	29.615	29.641	29.667	22	30.210	30.237	30.263				