



负温度系数(NTC)热敏电阻器

Negative temperature coefficient (NTC) thermistor

MF73T-1大功率型NTC热敏电阻系列

MF73T-1 High-power NTC Thermistor series

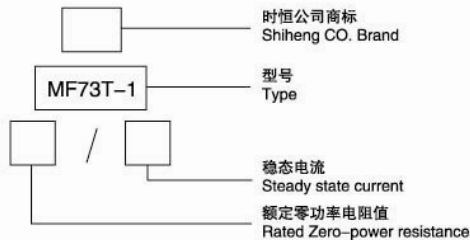
● 特点 Characteristics

- 体积小、功率大、抑制浪涌电流能力强
- 材料常数 (B值) 大, 残余电阻小, 自身功耗小
- 大电流, 长寿命, 高可靠性
- 便于线路板安装, 系列全, 应用范围宽
- Small size, strong power and strong capability of surge current protection .
- Big material constant (B value),small remain resistance .
- Large steady state current ,longevity of service, high reliability .
- Convenient for PCB installing , integral series, extensive operating range

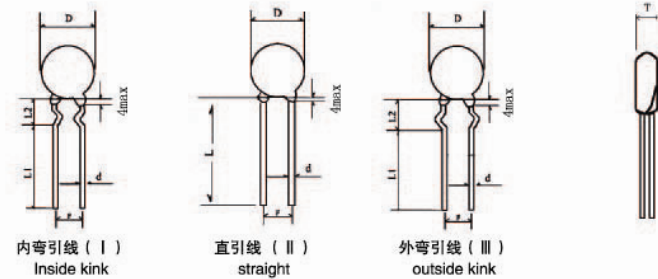
● 应用范围 Applications

- 大功率开关电源、转换电源、UPS电源
- 大功率动力电池充电器、电动汽车充电器
- 大功率LED灯、大功率电子节能灯等照明灯具
- High power switch power , Power conversion ,UPS power .
- High power battery charger, electric vehicle battery charger .
- High power LED light ,high power electronic energy saving lamps and other lighting lamps .

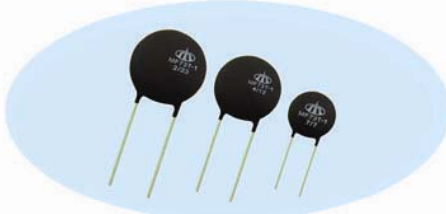
● 产品标志说明 Specification



● 外形尺寸(单位mm) Dimensions (mm)



芯片直径 Chip dimensions	Φ15	Φ20	Φ25	Φ30	Φ35
外径 (Dmax) Out diameter	17.5	22.5	29	36	41
厚度 (Tmax) Thickness	6	7	8	8.5	10
间距 (F±1.5) Pitch	7.5	10.0	10.0	10.0	10/18
引线直径 (d±0.05) Dia of Leads	0.8	1.0	1.0	1.2	1.6
引线长度 (L) min Length of Leads	25	25	25	25	25
引线长度 (L1) min Length of Leads	17	17	17	17	17
常规引线形状 Normal lead figure	内弯 (I) Inside kink	直线 (II) Straight	直线 (II) Straight	直线 (II) Straight	直线 (II) Straight
非常规引线形状 Special lead figure	直线 (II) Straight	外弯 (III) Outside kink	外弯 (III) Outside kink		



MF73T-1型产品
MF73T-1 NTC Thermistor



● 主要技术参数 Main Techno - Parameter
 工作温度 Working temperature: -55~+200℃

型号 Part No.	$R_{25} \pm 20\%$ (Ω)	最大稳态 电流 Max Steady State Current I _{max} (A)	最大电流时 近似电阻值 Approx. R of Max. Current R _{max} (Ω)	最大额定 功耗 Max rated Power P _{max} (W)	耗散 系数 Dissi. Coef. (mW/°C)	热时间 常数 Thermal time constant (S)
芯片直径: Φ 15mm Chip diameter						
1.3/10	1.3	10	0.034	3.5	≥ 22	≤ 75
1.5/10	1.5	10	0.036			
2.5/9.5	2.5	9.5	0.044			
3/9	3	9	0.046			
5/8	5	8	0.058			
6/7	6	7	0.069			
7/7	7	7	0.078			
8/7	8	7	0.084			
10/7	10	7	0.098			
12/6	12	6	0.116			
15/6	15	6	0.125			
16/6	16	6	0.129			
20/6	20	6	0.136			
30/5	30	5	0.165			
47/4	47	4	0.257			
120/2.5	120	2.5	0.652			
芯片直径: Φ 20mm Chip diameter						
0.7/16	0.7	16	0.026	5.0	≥ 28	≤ 110
1/16	1	16	0.027			
1.5/15	1.5	15	0.030			
2/14	2	14	0.035			
2.5/13	2.5	13	0.038			
3/12	3	12	0.040			
4/12	4	12	0.043			
4.7/12	4.7	12	0.046			
5/12	5	12	0.047			
6/11	6	11	0.052			
6.8/10	6.8	10	0.055			
7/9	7	9	0.056			
10/8	10	8	0.085			
12/7.5	12	7.5	0.098			
15/7	15	7	0.112			
18/7	18	7	0.123			
20/7	20	7	0.132			
芯片直径: Φ 25mm Chip diameter						
0.5/22	0.5	22	0.017	7.0	≥ 30	≤ 130
0.7/22	0.7	22	0.018			
1/20	1	20	0.021			
1.5/19	1.5	19	0.024			
2/18	2	18	0.026			
2.5/16	2.5	16	0.029			
3/15.5	3	15.5	0.032			
4/15	4	15	0.039			
4.7/14	4.7	14	0.044			

型号 Part No.	$R_{25} \pm 20\%$ (Ω)	最大稳态 电流 Max Steady State Current I _{max} (A)	最大电流时 近似电阻值 Approx. R of Max. Current R _{max} (Ω)	最大额定 功耗 Max rated Power P _{max} (W)	耗散 系数 Dissi. Coef. (mW/°C)	热时间 常数 Thermal time constant (S)
5/14	5	14	0.047	7.0	≥ 30	≤ 130
6.8/12	6.8	12	0.061			
7/11	7	11	0.064			
8/10	8	10	0.079			
10/10	10	10	0.084			
12/9	12	9	0.102			
15/8	15	8	0.117			
18/8	18	8	0.125			
20/8	20	8	0.132			
芯片直径: Φ 30mm Chip diameter						
0.5/30	0.5	30	0.013	8.0	≥ 40	≤ 190
1/30	1	30	0.014			
1.5/25	1.5	25	0.016			
2/23	2	23	0.019			
2.5/20	2.5	20	0.023			
3/19.5	3	19.5	0.026			
4/19	4	19	0.031			
4.7/18	4.7	18	0.035			
5/17	5	17	0.037			
6.8/16	6.8	16	0.043			
7/15	7	15	0.044			
8/14	8	14	0.049			
10/13	10	13	0.056			
12/12	12	12	0.067			
15/11	15	11	0.078			
18/10	18	10	0.092			
20/9	20	9	0.113			
芯片直径: Φ 35mm Chip diameter						
0.5/32	0.5	32	0.01	9.0	≥ 55	≤ 280
1/32	1	32	0.011			
1.5/28	1.5	28	0.013			
2/25	2	25	0.017			
2.5/23	2.5	23	0.020			
3/22	3	22	0.023			
4/21	4	21	0.026			
4.7/20	4.7	20	0.029			
5/19	5	19	0.030			
6.8/18	6.8	18	0.035			
7/17	7	17	0.037			
8/16	8	16	0.041			
10/15	10	15	0.045			
12/14	12	14	0.051			
15/13	15	13	0.060			
18/11	18	11	0.072			
20/10	20	10	0.089			