

产品简介 Production Introduction

MF72功率型NTC热敏电阻器是以过渡金属氧化物为主要原料制成的半导体陶瓷元件。属于负温度系数热敏电阻器的范畴。为了避免电子电路中在开机的瞬间产生的浪涌电流，在电源电路中串接一个功率型NTC热敏电阻器，能有效地抑制开机时的浪涌电流，并且在完成抑制浪涌电流作用以后，由于通过其电流的持续作用，功率型NTC热敏电阻器的电阻值将下降到非常小的程度，它消耗的功率可以忽略不计，电压几乎均加到后面设备从而保证线路的正常工作，所以，在电源回路中使用功率型NTC热敏电阻器，是抑制开机浪涌保护电子设备免遭破坏的最为简便而有效的措施。

The MF72 power NTC thermistor is a kind of semiconductor ceramic element that mostly made from transition metal OXID material, and belongs to negative temperature thermistors. When you turn on an electrical equipment, the surge current can be restrained by a power NTC thermistor connected in series with the power circuit. Because of the continuing action of current, temperature of power NTC thermistor raising, the resistance will rapidly drop to a small value, the consumed power can be ignored. So it can not affect normal operating current. Therefore, using power NTC thermistor is a most effectively and most brief measure to restrain surge current, protecting electrical equipment from destruction.

应用范围 Application

适用于转换电源、开关电源、UPS电源、各类电加热器、电子镇流器、各种电子装置电源电路的保护以及各类显像管、显示器、白炽灯及其它照明灯具的灯丝保护。

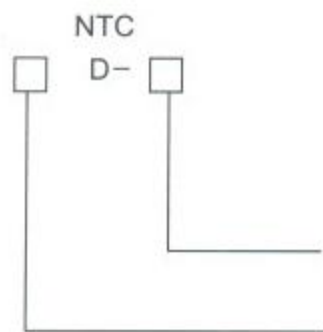
Conversion power supply, switch power, kinds of electric heater, electronic energy-saving lamps, electronic ballast etc. All kinds of power circuit protection of electronic equipments, filament protection of all kinds of RT, display, bulb and other lighting lamps.

特点 Characteristics

- | | |
|-----------------------|--|
| 1. 体积小，功率大，抑制浪涌电流能力强。 | 1. Small size, Strong power and strong capability of surge current protection. |
| 2. 反应速度快。 | 2. Fast response to surge current. |
| 3. 材料常数(B值)大，残余电阻小。 | 3. Big material constant(B value), Small remain resistance. |
| 4. 寿命长，可靠性高。 | 4. Longevity of service, High reliability. |
| 5. 系列全，工作范围宽。 | 5. Integral series, Extensive operating range. |

产品标识说明 Production Sign Explain

中性标识 Neutral sign



芯片最大直径

MaX. DiaMeter of Chip

额定零功率电阻值

Rated Zero-power Restsance

我公司标识一 Our CO.Sign NO.1



我公司标识二 Our CO.Sign NO.2



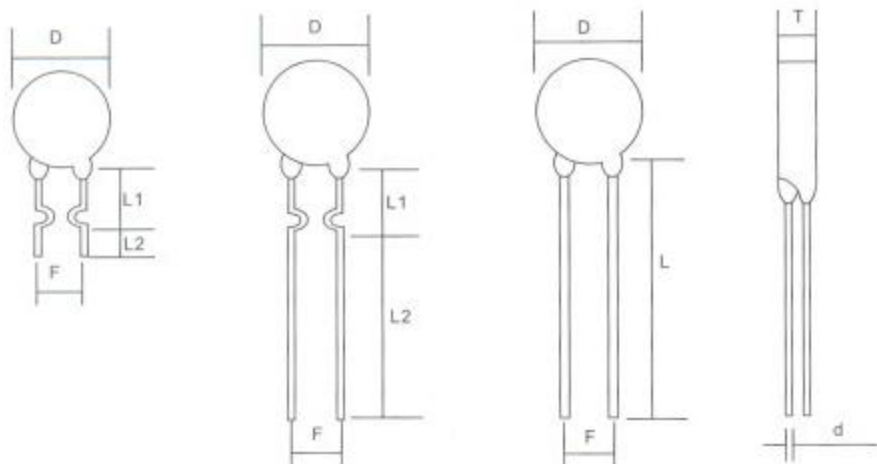
注：1、最大稳态电流遇小数时用三位数表示，其余用实际值表示。

2、额定零功率电阻值遇小数或大于是100Ω时用三位表示，其余用两位表示。

Remark: 1. The Max. Steady State Current meets when the decimal expressed with three figures. Other expressed with the actual value.

2. The Rated Zero-power Resistance meets the decimal or is bigger than is 100Ω when with three expressions, other expressed with two.

外形结构图 Shapec Structure Picture



主要参数及尺寸 Main Parameter and Dimensions

型号 Type	额定阻值(Ω) Rated Resistance	最大稳态电 流(A) Max. Steady State Current	Dimensions(Unit:mm)				
			Dmax	Lmi	F±1	Tmax	d
5D-5	5	1	6.5	25	5.0/2.5	5	0.55/0.45
10D-5	10	0.7	6.5	25	5.0/2.5	5	0.55/0.45
20D-5	20	0.5	6.5	25	5.0/2.5	5	0.55/0.45
5D-7	5	2	8.5	25	5.0	5	0.55
8D-7	8	1	8.5	25	5.0	5	0.55
10D-7	10	1	8.5	25	5.0	5	0.55
12D-7	12	1	8.5	25	5.0	5	0.55
16D-7	16	0.7	8.5	25	5.0	5	0.55
20D-7	20	0.6	8.5	25	5.0	5	0.55
22D-7	22	0.6	8.5	25	5.0	5	0.55
33D-7	33	0.5	8.5	25	5.0	5	0.55
3D-9	3	4	10.5	25	7.5/5.0	5.5	0.78/0.55
4D-9	4	3	10.5	25	7.5/5.0	5.5	0.78/0.55
5D-9	5	3	10.5	25	7.5/5.0	5.5	0.78/0.55
6D-9	6	2	10.5	25	7.5/5.0	5.5	0.78/0.55
8D-9	8	2	10.5	25	7.5/5.0	5.5	0.78/0.55
10D-9	10	2	10.5	25	7.5/5.0	5.5	0.78/0.55
12D-9	12	1	10.5	25	7.5/5.0	5.5	0.78/0.55
16D-9	16	1	10.5	25	7.5/5.0	5.5	0.78/0.55
20D-9	20	1	10.5	25	7.5/5.0	5.5	0.78/0.55
22D-9	22	1	10.5	25	7.5/5.0	5.5	0.78/0.55
30D-9	30	1	10.5	25	7.5/5.0	5.5	0.78/0.55
33D-9	33	1	10.5	25	7.5/5.0	5.5	0.78/0.55
50D-9	50	1	10.5	25	7.5/5.0	5.5	0.78/0.55
60D-9	60	0.8	10.5	25	7.5/5.0	5.5	0.78/0.55
2.5D-11	2.5	5	12.5	25	7.5/5.0	5.5	0.78
3D-11	3	5	12.5	25	7.5/5.0	5.5	0.78
4D-11	4	4	12.5	25	7.5/5.0	5.5	0.78
5D-11	5	4	12.5	25	7.5/5.0	5.5	0.78
6D-11	6	3	12.5	25	7.5/5.0	5.5	0.78
8D-11	8	3	12.5	25	7.5/5.0	5.5	0.78
10D-11	10	3	12.5	25	7.5/5.0	5.5	0.78
12D-11	12	2	12.5	25	7.5/5.0	5.5	0.78
16D-11	16	2	12.5	25	7.5/5.0	5.5	0.78
20D-11	20	2	12.5	25	7.5/5.0	5.5	0.78
22D-11	22	2	12.5	25	7.5/5.0	5.5	0.78
30D-11	30	1.5	12.5	25	7.5/5.0	5.5	0.78
33D-11	33	1.5	12.5	25	7.5/5.0	5.5	0.78
1.3D-13	1.3	7	14.5	25	7.5	6	0.78
1.5D-13	1.5	6	14.5	25	7.5	6	0.78
3D-13	3	6	14.5	25	7.5	6	0.78
4D-13	4	5	14.5	25	7.5	6	0.78
5D-13	5	5	14.5	25	7.5	6	0.78

型号 Type	额定阻值(Ω) Rated Resistance	最大稳态电 流(A) Max. Steady State Current	Dimensions(Unit:mm)				
			Dmax	Lmi	F±1	Tmax	d
6D-13	6	4	14.5	25	7.5	6	0.78
7D-13	7	4	14.5	25	7.5	6	0.78
8D-13	8	4	14.5	25	7.5	6	0.78
10D-13	10	4	14.5	25	7.5	6	0.78
12D-13	12	3	14.5	25	7.5	6	0.78
15D-13	15	3	14.5	25	7.5	6	0.78
16D-13	16	3	14.5	25	7.5	6	0.78
20D-13	20	3	14.5	25	7.5	6	0.78
30D-13	30	2.5	14.5	25	7.5	6	0.78
47D-13	47	2	14.5	25	7.5	6	0.78
1.3D-15	1.3	8	16.5	25	7.5	6	0.78
1.5D-15	1.5	8	16.5	25	7.5	6	0.78
3D-15	3	7	16.5	25	7.5	6	0.78
5D-15	5	6	16.5	25	7.5	6	0.78
6D-15	6	5	16.5	25	7.5	6	0.78
7D-15	7	5	16.5	25	7.5	6	0.78
8D-15	8	5	16.5	25	7.5	6	0.78
10D-15	10	5	16.5	25	7.5	6	0.78
12D-15	12	4	16.5	25	7.5	6	0.78
15D-15	15	4	16.5	25	7.5	6	0.78
16D-15	16	4	16.5	25	7.5	6	0.78
20D-15	20	4	16.5	25	7.5	6	0.78
30D-15	30	3	16.5	25	7.5	6	0.78
33D-15	33	3	16.5	25	7.5	6	0.78
47D-15	47	3	16.5	25	7.5	6	0.78
50D-15	50	3	16.5	25	7.5	6	0.78
0.7D-20	0.7	12	21.5	25	10/7.5	7	1.0
1.3D-20	1.3	9	21.5	25	10/7.5	7	1.0
2.2D-20	2.2	8	21.5	25	10/7.5	7	1.0
2.5D-20	2.5	8	21.5	25	10/7.5	7	1.0
3D-20	3	8	21.5	25	10/7.5	7	1.0
5D-20	5	7	21.5	25	10/7.5	7	1.0
6D-20	6	6	21.5	25	10/7.5	7	1.0
8D-20	8	6	21.5	25	10/7.5	7	1.0
10D-20	10	6	21.5	25	10/7.5	7	1.0
12D-20	12	5	21.5	25	10/7.5	7	1.0
16D-20	16	5	21.5	25	10/7.5	7	1.0
3D-25	3	9	26.5	25	10/7.5	8	1.0
5D-25	5	8	26.5	25	10/7.5	8	1.0
8D-25	8	7	26.5	25	10/7.5	8	1.0
10D-25	10	7	26.5	25	10/7.5	8	1.0

注：若非特别说明，额定零功率电阻允许偏差为±20%。

Remark: Unless the particular indication, the allowable tolerance of Rated Zero-power Resistance is ±20%.