# 熱敏電阻器
# PTC THERMISTOR

FNR®

## MZ7型消磁電路用熱敏電阻器MZ7 TYPE THERMISTOR

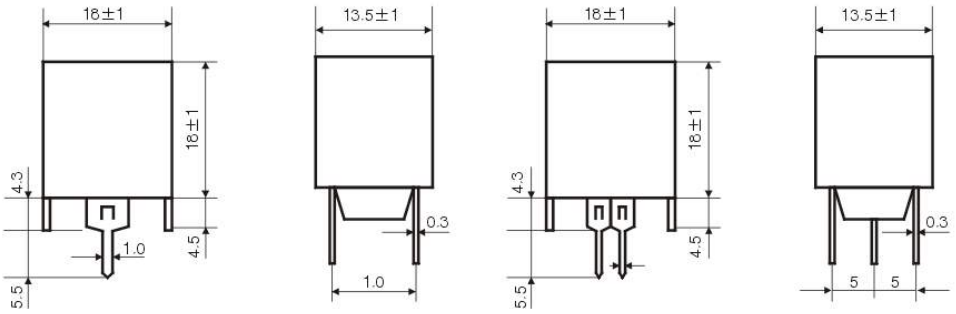
### ■ 特性　FEATURES

- 彩色電視機和彩色顯示器作自動消磁元件
- 交流電路中的限流元件
- Superior degaussing component of colour TV set and monitor
- Current-Limited unite in AC circuit.

### ■ 使用環境條件　APPLICATION ENVIRONMENTAL CONDITIONS

- 環境温度：－10℃－＋85℃
- 相對濕度：93±2％(＋40℃±2℃)
- 振動：10－55Hz
- 加速度：98m/s²
- Enviromental temperature:－10℃－＋85℃
- Relative humidity:93±2％(＋40℃±2℃)
- Vibration frequency:10-55Hz
- Acceleration:98m/s²

### ■ 外形尺寸　DIMENSIONS



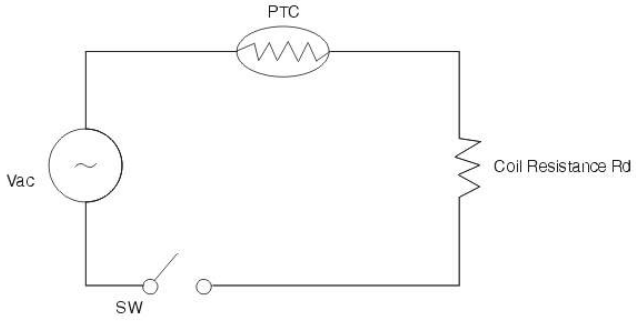

### ■ 主要技術參數　MAIN TECHNICAL PARAMETER

| 型號 Part NO. | 標稱電阻(Ω) Resistance Value | 工作電壓(V) Working Voltage | 最大電壓(V) Max Valtage | 電流衰減特性(25℃) Current Attenuation Characteristic | | |
|---|---|---|---|---|---|---|
| | | | | $I_0$P-P(A) | $I_1$P-P(mA)3' | $I_2$rms(mA)60' |
| MZ72－8RM | 8±20％ | 120 | 140 | ≥18 | ≤300 | ≤10 |
| MZ72－12RM | 12±20％ | 220 | 270 | ≥25 | ≤300 | ≤10 |
| MZ72－14RM | 14±20％ | 220 | 270 | ≥25 | ≤300 | ≤10 |
| MZ72－18RM | 18±20％ | 220 | 270 | ≥25 | ≤300 | ≤8 |
| MZ72－20RM | 20±20％ | 120 | 140 | ≥25 | ≤300 | ≤8 |
| MZ73－8RM | 8±20％ | 220 | 270 | ≥18 | ≤300 | ≤7 |
| MZ73－12RM | 12±20％ | 220 | 270 | ≥18 | ≤300 | ≤6 |
| MZ73－14RM | 14±20％ | 220 | 270 | ≥25 | ≤200 | ≤4 |
| MZ73－18RM | 18±20％ | 220 | 270 | ≥15 | ≤300 | ≤3 |
| MZ73－27RM | 27±20％ | 220 | 270 | ≥18 | ≤300 | ≤3 |
| MZ73－36RM | 36±20％ | 220 | 270 | ≥18 | ≤300 | ≤3 |

## ■ 應用電路 APPLICATION CIRCUIT

這是最常用的消磁電路，如果要求殘余電流為零，通常要求消磁電路裝有開關，在要求消磁時接通，平時中斷。

This is a bassic degaussing circuit, if residual current's requested zero,this circuit usually a switch When necessary the switch is turned on,otherwise turned off.




電流－時間特性(動態特性)

Current-Time Characteristic(Dynamic Characteristic)

旁路電阻(1)加熱電阻(2)使(2)的阻值增加，殘余電流減小，通常這種電路與電源開關直接相連，打開電源，即自動完成消磁工作。

Heating element(1)causes the resistance value of Element(2)to increase and make the stable current extremely small,Thus in many case.The circuit is designed to be linked to the power switch so that degaussing is perfomed automatically when the power is turned on.

當一高電壓加在消磁電阻上時，瞬時產生大的衝擊電流，同時熱每電阻本身温度迅速升高，阻值增加，電流迅速減小，起到消磁作用。

When excessing power is applied to the themistor,a large current flow momenarily,then the self-heating feature of the themistor causes the resistance value to increase and the current value to decrease.Thus,the themistor controls degaussing function ideally.