PTC熱敏電阻器 PTC THERMISTOR

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NSCN[®] WWW.NSCN.COM.CN

总机: 025-52188228 客服: 400-888-5058 技术: 025-84712971 邮箱: TECH@NSCN. COM. CN 南京南山半导体有限公司

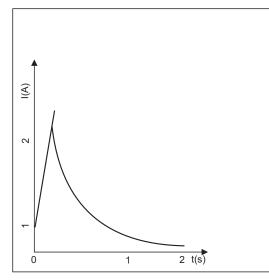
- 特性 FEATURES
- * a系數高

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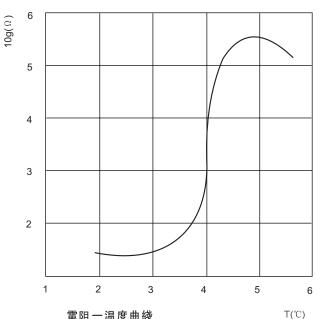
耐電壓强度及抗氧化性高

High ageing cofficient Superior withstanding voltage oxidation-resistance.

特性曲綫 CHARACTERISTICS •



電流一時間曲綫 Current-Time Curve

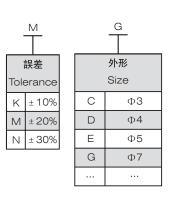


電阻一温度曲綫 Resistance-Temperature Curve.

• 訂貨方式 HOW TO ORDER

熱敏電阻器		産品类
PTC	7	消磁類
Thermistor	9	啓動類
	2	限流類

産品類型 Product style		
7	消磁類 Degaussing	
9	啓動類 Starter	
2	限流類 Current-Limited	
3	延時起動 Delay-Time	
4	自控加熱 Auto-Control-heat	

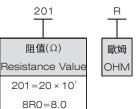


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產品類型	順序號 Sequence No.		
MZ7	數字代表脚數 The number expresses No. of pin		
	1.包封型 Coating type		
MZ2, MZ9	2.塑膠套型 Plastic type		
1012.9	3.光片型 Empty body		
MZ3	無標記 No mark		
	1.圖片型 Round		
MZ4	2.長方型 Queue		

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T			
開關温度(可缺省) switch Temperature			
L	50℃		
К	70℃		
Μ	30℃		
Ν	100℃		
Ρ	120°C		
R	135℃		
Х	160℃		

L



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■ 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

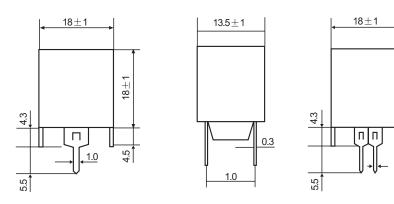
* 交流電路中的限流元件 Superior degaussing component of colour TV set and monitor Current-Limited unite in AC circuit.

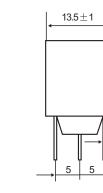
• 使用環境條件 APPLICATION ENVIROMENTAL CONDITIONS

- * 環境温度: -10℃-+85℃
- * 相對濕度: 93±2%(+40℃±2℃)
- * 振動: 10-55Hz
- * 加速度: 98m/s²

Environmental temperature: -10°C - +85°C Relative humidity: $93 \pm 2\% (+40\% \pm 2\%)$ Vibration frequency:10-55Hz Acceleration:98m/s²

• 外形尺寸 DIMENSIONS





0.3

18土1

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• 主要技術參數 MAIN TECHNICAL PARAMETER

型號 Part No.	標稱電阻 Resistance Value	工作電壓 Working Voltage	最大電壓 Max Valtage		電流衰减特性(25℃) nt Attenuation Characteristic		
i artivo.		violiting voltage	maxtunago	I0P-P(A)	l ₁ P-P(mA)3'	l ₂ rms(mA)60'	
MZ72-7RM	7 ± 20%	220	270	≥20	≤300	≤10	
MZ72-9RM	9 ± 20%	220	270	≥20	≤300	≤10	
MZ72-12RM	12±20%	220	270	≥18	≤300	≤10	
MZ72-14RM	14±20%	220	270	≥18	≤300	≤10	
MZ72-18RM	18±20%	220	270	≥18	≤300	≤8	
MZ72-20RM	20 ± 20%	220	270	≥18	≤300	≤8	
MZ73-7RM	7 ± 20%	220	270	≥20	≤300	≤7	
MZ73-9RM	9±20%	220	270	≥20	≤300	≤7	
MZ73-12RM	12±20%	220	270	≥18	≤300	≤6	
MZ73-14RM	14±20%	220	270	≥18	≤300	≤4	
MZ73-18RM	18±20%	220	270	≥18	≤300	≤3	
MZ73-27RM	27 ± 20%	220	270	≥18	≤300	≤3	
MZ73-36RM	36±20%	220	270	≥18	≤300	≤3	

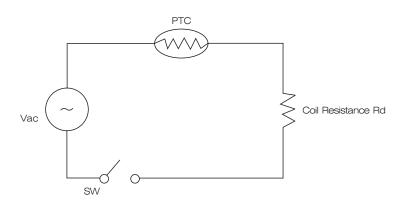
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• 應用電路 APPLICATION CIRCUIT

這是最常用的消磁電路,如果要求殘余電流爲零,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 basic degaussing circuit, if residual current's requested zero, this circuit usually a switch When necessary the switch is turned off.



電流一時間特性(動態特性)

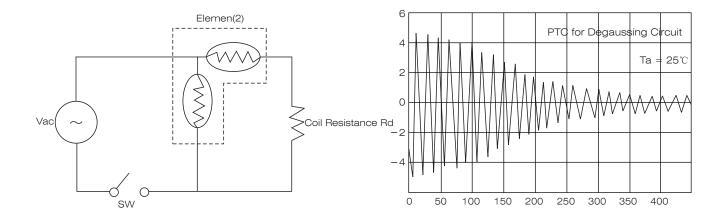
Curent-Time Characteristic(Dynamic Characteristic)

旁路電阻(1)加熱電阻(2)使(2)的阻值增加,殘余電流减小,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 performed auto matically when the power is turned on.

當一高電壓加在消磁電阻上時,瞬時産生大的衝擊電流,同時熱每電阻本身温度迅速升高,阻值增加,電流迅速减小, 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 thermistor controls degaussing function ideally.



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• 環境特性 ENVIRONMENTAL PROPERTIES

項目 Item	試驗條件 Test method	性能 Remarks
無風連續通電試驗 (静態) No wind continucous Loading test(static)	在室内温度和濕度一定,且無風 條件下,用額定電壓測試, 時間>1000小時 Applying rared voltage at constant room temperature and humidity with no wind for more than 1000 hours	功率衰减<10% Decreasing ratio of power <10%
有無連續通電試驗 (静態) Continous loading Test with air flow (moving)	在室内温度、濕度和氣流一定,采用 額定電壓,有風且額定功率消耗條件 下,通電時間大于等1000小時 Applying rated voltage at constant room temperature and humidity with constant airflow for the rated power consumption for more than 1000 hours	室温電阻變化率:
有風斷絶通電試驗 ON-OFF load With air flow	在室内温度、濕度和氣流一定,有風且 額定電壓率消耗條件下,采用額定電壓 通電1分鐘,試驗10000周期。 Applying rated voltage at constant room temperature and humidity with constant airflow for the rated power consumption for 10000 cycles at interval of 1 minute "ON" and 1 minute "OFF"	Changing ratio of resistance: △R25/R25 +30%Max -10%
周期加熱試驗 Thermal cycle test	無通電,20℃保護一小時,120℃保護一 小時,試驗爲20個周期。 Applying no load and set 20 cycles of 1 house at 20℃ and 1 hour at 120℃	

1.使用温度範圍: -10℃~85℃

Operating temperature rang:-10℃ ~85℃

2.保存温度範圍: -20℃~125℃ Storage temperature rang:-20~125℃ NSCN[®]】WWW.NSCN.COM.CN 总机: 025-52188228 客服: 400-888-5058 技术: 025-84712971 邮箱: TECH@NSCN.COM.CN

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