

压脚型采样电阻-YSR系列

Pressure Foot Type Sampling Resistor -YSR Series



业展电子
YEZHAN ELECTRONICS

特征 Features

宽阻值范围	Wide resistance range
电流能力3-25安培	Through current 3-25A
精度 $\pm 10\%$, $\pm 5\%$ 和 $\pm 2\%$	Tolerance $\pm 10\%$, $\pm 5\%$ and $\pm 2\%$
电阻温度系数低至 $\pm 40\text{ppm}/^\circ\text{C}$	TCR down to $\pm 40\text{ppm}/^\circ\text{C}$
符合RoHS、REACH要求	RoHS and REACH compliant
特殊规格可以订做	Customizable

应用范围 Applications

电流采样	Current Sensing
驱动技术	Drive technology
工业电子	Industrial electronics
家用电器	Household Electric Appliances
电源产品	Power supply products



订购信息 Ordering Information

Y	1	10	-10	-3(H)
Type	Material	L	W	H
Y M MM Yh Yz Yn S/Ys	1.Constantan 2.Manganin 6.Copper-Nickel C: Tinned copper	Diameter Unit:mm 0.5~3.0mm	Pitch Unit:mm	High Unit: mm

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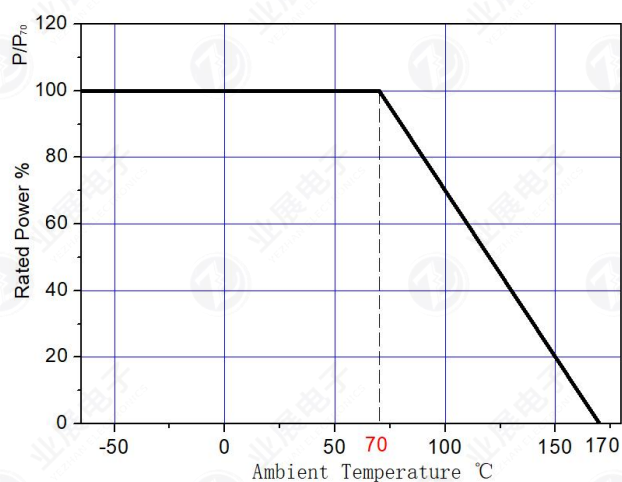


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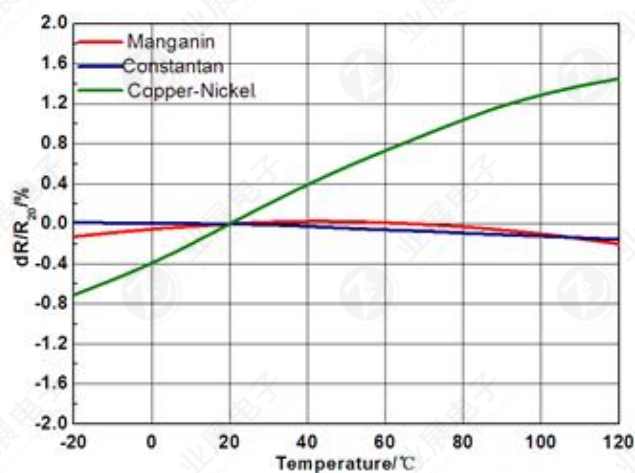
代号 Symbol	材料 Materials	电阻率 Resistance Rate
2	锰铜 Manganin	44 $\mu\Omega$. cm
1	康铜 Constantan	48 $\mu\Omega$. cm
6	铜镍 Copper-Nickel	30 $\mu\Omega$. cm
C	镀锡铜 Tinned copper	1.8 $\mu\Omega$. cm

工作特性 Performance Data

降功率曲线 Power Derating

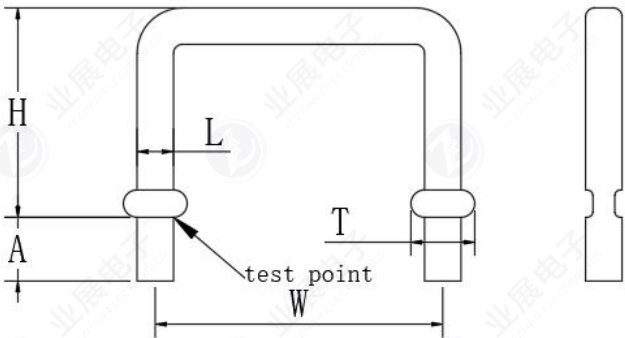


温度系数曲线 TCR Derating



TCR (ppm/°C) : Test conditions at 20°C~120°C.

产品尺寸和性能 Product Size And Performance

项目 Items	参数 Parameters
材料 Material	康铜 Constantan
图解 Diagrammatize	
A	3.5mm±0.2mm
H	3.0mm-3/0mm
W	10mm±0.2mm
T	1.5mm±0.2mm
L	1.0mm±0.1mm
阻值 Value	/
过电流 overcurrent	7A
使用温度 Operating Temperature	-65℃~170℃

» 耐久性测试 Endurance Test

Items	Additional Requirements	Reference	Limits
Solderability	245°C±5°C, 5s±0.5s	J-STD-002	95% Coverage Minimum
Short Time Overload	5×Rated power for 5 s	MIL-STD-202 Method 301	±1%
Resistance to Soldering Heat	260°C±5°C, 10s±1s	MIL-STD-202 Method 210	±0.5%

» 包装Packaging

散装, 内外双包装 Bulk, Internal And External Package



版本信息 Version History

版本 Version	日期 Date	修订描述 Description of amendment	拟定 Draft	受控文件 审核 Checked
A1.0	27-Feb.-2025	首版发行	张露	邓小辉

YZ-WP-RD-404