

仿贴片型采样电阻-BSR系列

Imitation Patch Type Sampling Resistance-BSR Series



业展电子
YEZHAN ELECTRONICS

特征 Features

精度 $\pm 5\%$ 和 $\pm 10\%$

Tolerance $\pm 5\%$ and $\pm 10\%$

可焊性好

Excellent Solderability

表面贴装

Surface mounted

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

家电控制器

Home Appliance

订购信息 Ordering Information

B	1	-5	-0	J	-t1
Product Type	Power	W	R Value	Tolerance	Other
BSR-B	Watts	Pitch Unit: mm	Unit: m Ω	K: $\pm 10\%$ J: $\pm 5\%$	tin-plate : X1 Other: t

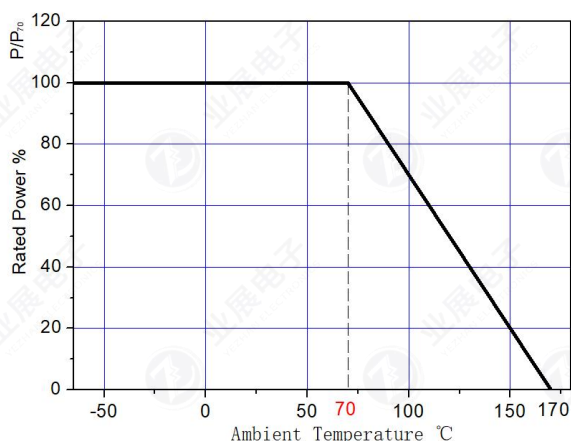
代号 Symbol	材料 Materials	电阻率 Resistance Rate
1	康铜 Constantan	48 $\mu\Omega$. cm
n	镍铬 NiCr	108 $\mu\Omega$. cm
6	铜镍 Copper-Nickel	30 $\mu\Omega$. cm
c	镀锡铜 Tinned copper	/

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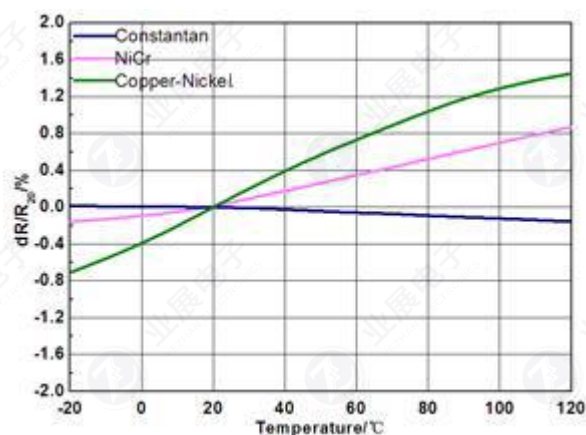
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工作特性 Performance Data

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	镀锡铜 Tinned copper
图解 Diagrammatize	
D	0.6mm±0.1mm
W	7.6mm±0.5mm
B	5.0mm±0.5mm
C	1.5mm±0.2mm
H	2.0mm±0.5mm
A	1.3mm±0.2mm
阻值 Value	~
镀层厚度 Coating thickness	≥5μm
使用温度 operating	-65~170°C

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持久性测试 Endurance Test

Items	Additional Requirements	Reference	Limits
Operational Life	70±2°C, 1000h Rated voltage (90 min ON, 30 min OFF)	MIL-STD-202 Method 108	±1%
Biased Humidity	1000hrs 85°C/85%RH。Note:Specified conditions:10% of operating power.	MIL-STD-202 Method 103	±1%
Temperature Cycling	1000 Cycles(-55°C to +125°C)	JESD22 Method JA-104	±1%
Solderability	245°C±5°C, 5s±0.5s	J-STD-002C	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%
Vibration	(10 - 2000 Hz) ,5 g's for 20 min, 12 cycles each of 3axis.	MIL-STD-202 Method 204	±0.5%

包装 Packaging

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

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2023.12.05

受控文件

版本信息 Version History

版本 Version	日期 Date	修订描述 Description of amendment	拟定 Draft	审核 Checked
A1.0	5-Dec-2023	首版发行	张雅兰	胡紫阳

YZ-WP-EN-586