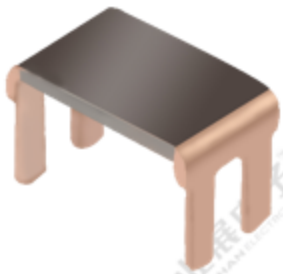
分流插件电阻-SBH系列
Alloy Shunt Resistors – SBH Series

业展电子 YEZHAN ELECTRONICS

特征 Features

精度±5%、±2%、±1%和±0.5%	Tolerance ±5%,±2% ,±1% and ±0.5%
使用温度-65℃~170℃	Operating Temperature range -65℃~170℃
电子束焊接结构	Electron beam welding
耐冲击	Ideal for pulse application
符合RoHS 要求	RoHS Compliant
特殊规格可以订做	Customizable



应用范围 Applications

变频驱动、伺服驱动系统	Frequency conversion drive, servo drive system
大电流电池管理系统	High current battery management system
汽车电子控制单元、汽车油泵驱动	Automobile electronic control unit, automobile oil pump drive
DC/DC，DC/AC电源模块	DC/DC, DC/AC power modules
自动化控制系统	Automatic control system
工业仪器设备	Industrial instrument and equipment

订购信息 Ordering information

SBH	-K	-R001	-F	
Yezhan Type: SBH	Element Material M: Manganin K: Karma	Resistance Value:(mΩ)	Tolerance: J: ±5% G: ±2% F: ±1% D: ±0.5%	Other

说明 Notice

- 适用范围 Scope
- 本承认书适用于深圳市业展电子有限公司 制造之[分流插件电阻器]。
  This specification is available for Alloy Shunt Resistors manufactured by Shenzhen Yezhan Electronics Co., Ltd.
- 标准试验状态 Standard measuring conditions
- 温度20±2℃、湿度65±5%。但在温度 5~35℃、湿度45~85%之情况下，仍可给予判定。
  Temperature 20±2℃, Humidity 65±5%.Being no doubt about the judgment, measurements can be made within the following Temperature5~35℃, Humidity 45~85%.

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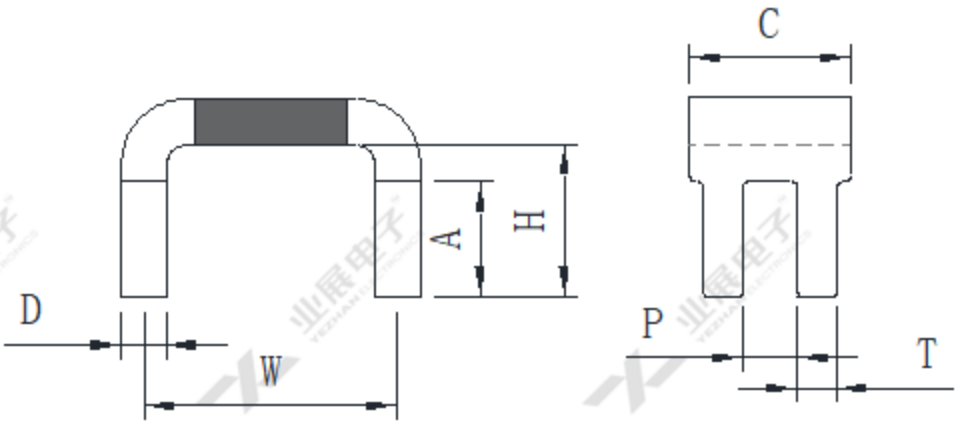
产品尺寸 Product dimensions

(Unit：mm)



Type	W (mm)	H (mm)	T (mm)	C (mm)	A (mm)	P (mm)
SBH	8.3±0.3	5±1	1.3±0.2	5.3±0.3	3.8±0.5	1.8±0.2

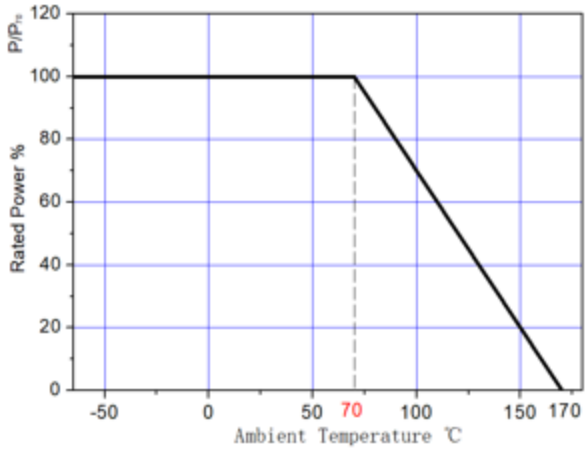
技术参数 Technical Date

Type	Element Material	Resistance (mΩ)	D±0.1 (mm)	TCR (ppm/℃)	P70 °C (W)
SBH	M	0.25	1.5	±100	5
		0.3	1.34	±100	3
		0.4	1.04	±100	3
		0.5	0.83	±100	3
		0.7	0.59	±100	3
		1	0.45	±100	3
	K	1	1.16	±50	5
		2	0.63	±50	4
		3	0.43	±50	3

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

工作特性 Performance data

降功率曲线 Power Derating



耐久性测试 Endurance test

Iterms	Additional Requirements	Reference	Limits
Temperature Cycling	1000 Cycles(-55℃ to +125℃)	JESD22 Method JA-104	±0.5%
High Temperature Exposure	100hrs.@T=170℃.Unpowered.	MIL-STD-202 Method 108	±0.5%
Biased Humidity	1000hrs 85℃/85%RH。Note:Specified conditions:10% of operating power.	MIL-STD-202 Method 103	±0.5%
Operational Life	Condition D Steady State TA=125℃ at rated power.	MIL-STD-202 Method 108	±0.5%
Solderability	245℃±5℃,5s±0.5s	MIL-STD-202 Method 208H	95% Coverage Minimum
Resistance to Soldering Heat	260℃±5℃，10s±1s	MIL-STD-202 Method 210	±0.5%
Short Time Overload	5×Rated power for 5 s	MIL-STD-202 Method 301	±0.5%

包装 Packaging

散装 In bulk

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	29-Sep-2022	首版发行	邹文鉴	胡紫阳