



深圳市业展电子有限公司

承 认 书

SPECIFICATION FOR APPROVAL

客户名称

Customer Name

客户料号

Customer P/N

产品名称

Product Name

Alloy Shunt Resistors – SBH Series

产品规格

Product Type

SBH-M-R001F

申请承认日期

版本

Apply Date

2020-07-07

REV.

1.0

供货商属性 ☐ 代理商

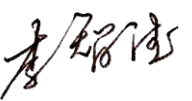
☒ 制造商 深圳市业展电子有限公司

Vendor Type Agency

Manufacturer: Yezhan Electronics Co. LTD

Note: 禁止使用 1 级环境管理物质.遵守 ACBEL"环境管理物质规范"中所要求之含量标准.

Restrict use of hazardous substances of level 1; Comply with "Specification for Hazardous Substances and Materials Management" of ACBEL

供货商印鉴 Vendor Stamp	APPROVED	CHECKED	PREPARED	承认印鉴 Stamp
			邓小辉	

Mainland China: 深圳市业展电子有限公司

Shenzhen Yezhan Electronics Co., Ltd.

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New Disrict, Shenzhen City, P.R.China

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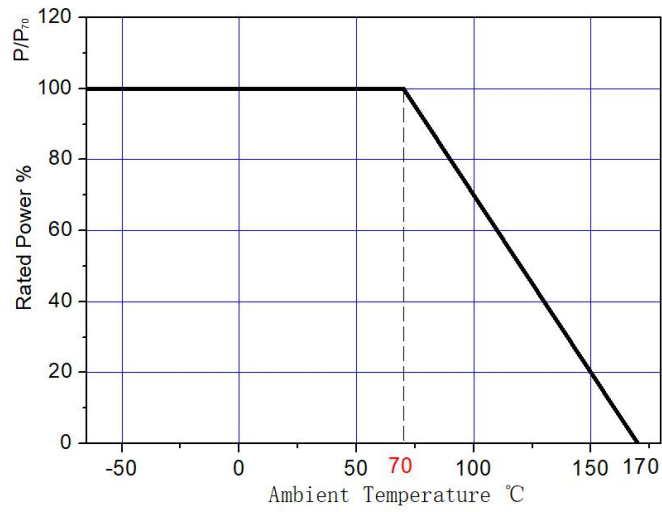
Mobile:0086-18926048203

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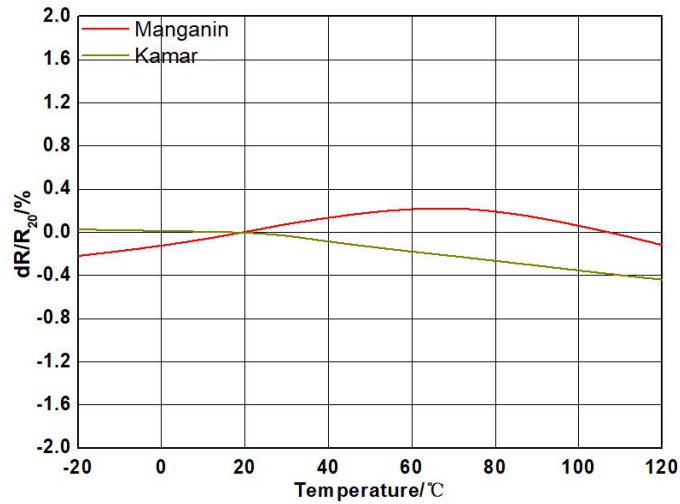
标准书名 Classification 承认书 Specification	Spec No.	YZ-QR-EN-007
品 名：精密采样电阻 SBH Series Product Name: Alloy Shunt Resistors	Version	1.5
	Page	5-2
1. 一般事项 General 1.1 适用范围 Scope 本承认书适用于深圳市业展电子有限公司 制造之[精密采样电阻]。 This specification is available for Alloy Shunt Resistors manufactured by Shenzhen Yezhan Electronics Co., Ltd. 1.2 品质 Quality 本电阻器的制造系经高质量管理程序，并具有高信赖性的质量保证，且符合 RoHS 和无卤要求。 The resistor is manufactured by highly quality-controlled process and guaranteed high reliability, it meets RoHS & Halogen-Free requirement. 1.3 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 Temperature 5~35℃, Humidity 45~85%. 1.4 形名 (例) Type designation (example) 依使用种类、材料、规格、形状、公称电阻值、电阻值容许差而区别，其构造如下： The type designation shall be in the following form and as specified. SBH Yezhan Type -M Material M:Manganin K:Kama -R001 Resistance Range (mohms) F Tolerance J: ±5% G: ±2% F: ±1% 其他要求		

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1.5 降功率曲线 Power Derating



1.6 温度系数曲线 TCR Derating



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1.7 外形 External

项 目	参 数
图 解	
H	5.0mm±1.0mm
A	3.8mm±0.5mm
L	5.3mm±0.3mm
D	1.8mm
P	1.3mm
I	0.45mm±0.1mm
W	8.3mm±0.3mm
阻 值	1mΩ±1%
额定功率	3W
使用温度	-65℃～170℃

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2 应用范围 Applications • 电流采样 Current Sensing • 反馈电路 Feedback Circuit • 低电感电路 Low inductance Circuit • 大电流脉冲电路 High Current Pulse Circuit • 汽车市场的高电流应用 High current applications for the automotive marker • 变频器 Ferquency converters • 电源模块 Power moduies																																			
3 包装 Packaging • 散装，每包装 1000PCS Bulk, 1000PCS per package																																			
4 工作特性 Performance Date <table><tr><th>Items</th><th>Additional Requirements</th><th>Reference</th><th>Limits</th></tr><tr><td>Temperature Cycling</td><td>1000 Cycles(-55℃ to +125℃)</td><td>JESD22 Method JA-104</td><td>±0.5%</td></tr><tr><td>High Temperature Exposure</td><td>1000hrs.@T=125℃.Unpowered.</td><td>MIL-STD-202 Method 108</td><td>±0.5%</td></tr><tr><td>Biased Humidity</td><td>1000hrs 85℃/85%RH。Note: Specified conditions: 10% of operating power.</td><td>MIL-STD-202 Method 103</td><td>±0.5%</td></tr><tr><td>Operational Life</td><td>Condition D Steady State TA=125℃ at rated power.</td><td>MIL-STD-202 Method 108</td><td>±1%</td></tr><tr><td>Solderability</td><td>245℃±5℃,5s+0.5s/-0</td><td>J-STD-002C</td><td>95% Coverage Min</td></tr><tr><td>Resistance to Soldering Heat</td><td>260℃±5℃, 10s±1s</td><td>MIL-STD-202 Method 210</td><td>±0.5%</td></tr><tr><td>Short Time Overload</td><td>5×Rated power for 5 s</td><td>MIL-STD-202 Method 301</td><td>±0.5%</td></tr></table>				Items	Additional Requirements	Reference	Limits	Temperature Cycling	1000 Cycles(-55℃ to +125℃)	JESD22 Method JA-104	±0.5%	High Temperature Exposure	1000hrs.@T=125℃.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	±1%	Solderability	245℃±5℃,5s+0.5s/-0	J-STD-002C	95% Coverage Min	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%
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