



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-K-R002F  
申请承认日期  
Apply Date 2020-04-10 版本  
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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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

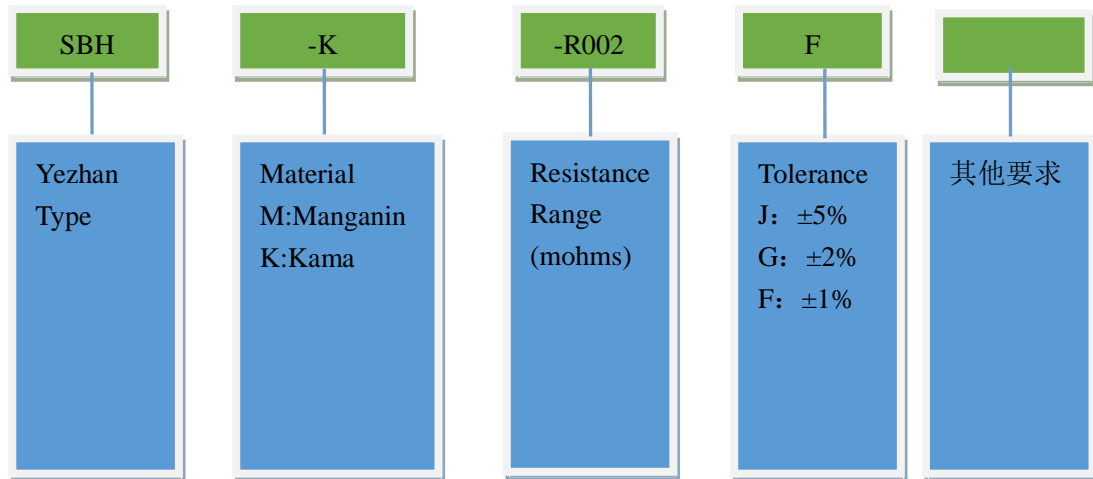
本电阻器的制造系经高质量管理程序，并具有高信赖性的质量保证，且符合 RoHS 和无卤要求。  
The resistor is manufactured by highly quality-controlled process and guaranteed high reliability, it meets RoHS & Halogen-Free requirement.

1.3 标准试验状态 Standard measuring conditions

温度  $20 \pm 2^\circ\text{C}$ 、湿度  $65 \pm 5\%$ 。  
但在温度  $5 \sim 35^\circ\text{C}$ 、湿度  $45 \sim 85\%$  之情况下，仍可给予判定。  
Temperature  $20 \pm 2^\circ\text{C}$ , Humidity  $65 \pm 5\%$ .  
Being no doubt about the judgment, measurements can be made within the following Temperature  $5 \sim 35^\circ\text{C}$ , Humidity  $45 \sim 85\%$ .

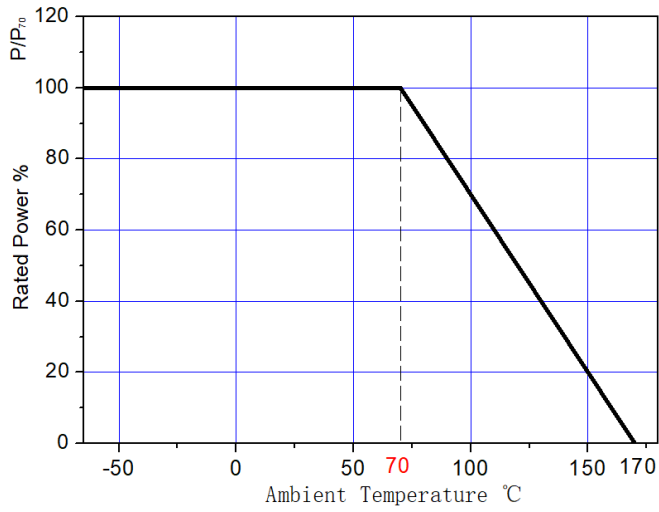
1.4 形名 (例) Type designation (example)

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.

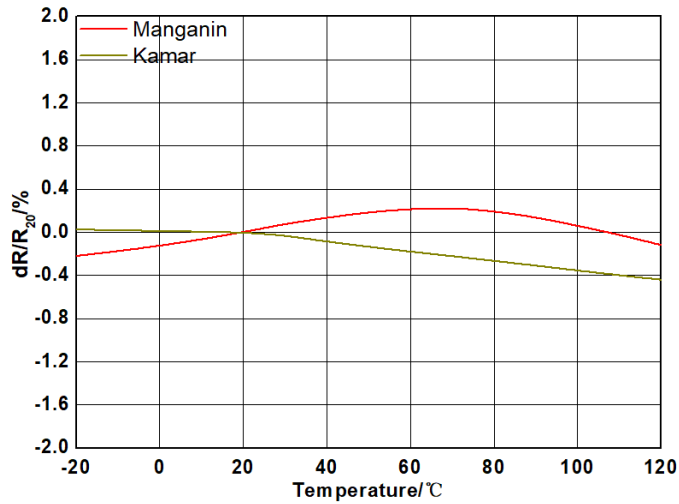


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### 1.5 降功率曲线 Power Derating



### 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	0.63mm±0.1mm
W	8.3mm±0.3mm
阻 值	2mΩ±1%
额定功率	5W
使用温度	-65°C~170°C

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<p><b>2 应用范围 Applications</b></p> <ul style="list-style-type: none"> <li>• 电流采样 <b>Current Sensing</b></li> <li>• 反馈电路 <b>Feedback Circuit</b></li> <li>• 低电感电路 <b>Low inductance Circuit</b></li> <li>• 大电流脉冲电路 <b>High Current Pulse Circuit</b></li> <li>• 汽车市场的高电流应用 <b>High current applications for the automotive marker</b></li> <li>• 变频器 <b>Ferquency converters</b></li> <li>• 电源模块 <b>Power moduies</b></li> </ul> <p><b>3 包装 Packaging</b></p> <ul style="list-style-type: none"> <li>• 散装, 每包装 1000PCS Bulk, 1000PCS per package</li> </ul> <p><b>4 工作特性 Performance Date</b></p> <table border="1"> <thead> <tr> <th>Items</th> <th>Additional Requirements</th> <th>Reference</th> <th>Limits</th> </tr> </thead> <tbody> <tr> <td>Temperature Cycling</td> <td>1000 Cycles(-55°C to +125°C)</td> <td>JESD22 Method JA-104</td> <td>±0.5%</td> </tr> <tr> <td>High Temperature Exposure</td> <td>1000hrs.@T=125°C.Unpowered.</td> <td>MIL-STD-202 Method 108</td> <td>±0.5%</td> </tr> <tr> <td>Biased Humidity</td> <td>1000hrs 85°C/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°C at rated power.</td> <td>MIL-STD-202 Method 108</td> <td>±1%</td> </tr> <tr> <td>Solderability</td> <td>245°C±5°C,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°C±5°C, 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> </tbody> </table>			Items	Additional Requirements	Reference	Limits	Temperature Cycling	1000 Cycles(-55°C to +125°C)	JESD22 Method JA-104	±0.5%	High Temperature Exposure	1000hrs.@T=125°C.Unpowered.	MIL-STD-202 Method 108	±0.5%	Biased Humidity	1000hrs 85°C/85%RH。 Note: Specified conditions: 10% of operating power.	MIL-STD-202 Method 103	±0.5%	Operational Life	Condition D Steady State TA=125°C at rated power.	MIL-STD-202 Method 108	±1%	Solderability	245°C±5°C,5s+0.5s/-0	J-STD-002C	95% Coverage Min	Resistance to Soldering Heat	260°C±5°C, 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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[HPCR0402F13K0K9](#) [HPCR0402F17K4K9](#) [HPCR0402F180KK9](#) [HPCR0402F180RK9](#) [HPCR0402F1K10K9](#) [HPCR0402F220KK9](#)  
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[HPCR0402F560KK9](#) [HPCR0402F56K0K9](#) [HPCR0402F5K10K9](#) [HPCR0402F5K60K9](#) [HPCR0402F620KK9](#) [HPCR0402F620RK9](#)  
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