



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-R003F

申请承认日期

版本

Apply Date

2020-07-07

REV.

1.0

供货商属性 代理商

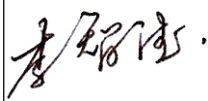
制造商 深圳市业展电子有限公司

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 District, Shenzhen City, P.R.China

Tel: 0086-755-26517682 ext:8018 Fax: 0086-755-29500756

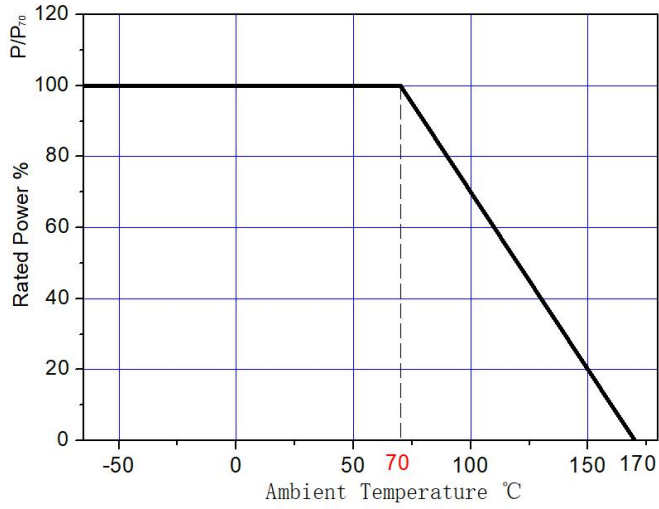
Mobile:0086-18926048203

E-mail: caixiaojuan@yezhan.com.cn

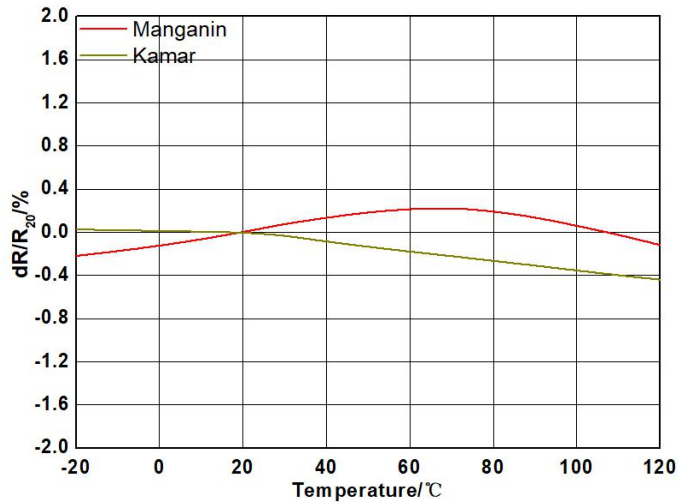
标准书名 Classification 承认书 Specification	Spec No.	YZ-QR-EN-007
品 名 : 精密采样电阻 SBH Series Product Name: Alloy Shunt Resistors	Version	1.5
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<p>1. 一般事项 General</p> <p>1.1 适用范围 Scope 本承认书适用于深圳市业展电子有限公司 制造之[精密采样电阻]。 This specification is available for Alloy Shunt Resistors manufactured by Shenzhen Yezhan Electronics Co., Ltd.</p> <p>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.</p> <p>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 $45 \sim 85\%$.</p> <p>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.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 20px;"> <div style="text-align: center;"> <div style="background-color: #76b82a; color: white; padding: 5px; border: 1px solid gray; width: 60px; margin: 0 auto;">SBH</div> <div style="border: 1px solid gray; background-color: #5dade2; padding: 10px; margin-top: 10px; width: 60px;"> Yezhan Type </div> </div> <div style="text-align: center;"> <div style="background-color: #76b82a; color: white; padding: 5px; border: 1px solid gray; width: 60px; margin: 0 auto;">-K</div> <div style="border: 1px solid gray; background-color: #5dade2; padding: 10px; margin-top: 10px; width: 60px;"> Material M:Manganin K:Kama </div> </div> <div style="text-align: center;"> <div style="background-color: #76b82a; color: white; padding: 5px; border: 1px solid gray; width: 60px; margin: 0 auto;">-R003</div> <div style="border: 1px solid gray; background-color: #5dade2; padding: 10px; margin-top: 10px; width: 60px;"> Resistance Range (mohms) </div> </div> <div style="text-align: center;"> <div style="background-color: #76b82a; color: white; padding: 5px; border: 1px solid gray; width: 60px; margin: 0 auto;">F</div> <div style="border: 1px solid gray; background-color: #5dade2; padding: 10px; margin-top: 10px; width: 60px;"> Tolerance J: $\pm 5\%$ G: $\pm 2\%$ F: $\pm 1\%$ </div> </div> <div style="text-align: center;"> <div style="background-color: #76b82a; color: white; padding: 5px; border: 1px solid gray; width: 60px; margin: 0 auto;"> </div> <div style="border: 1px solid gray; background-color: #5dade2; padding: 10px; margin-top: 10px; width: 60px;"> 其他要求 </div> </div> </div>		

标准书名 Classification 承认书 Specification	Spec No.	YZ-QR-EN-007
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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	0.43mm±0.1mm
W	8.3mm±0.3mm
阻 值	3mΩ±1%
额定功率	5W
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

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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[HPCR0402F560KK9](#) [HPCR0402F56K0K9](#) [HPCR0402F5K10K9](#) [HPCR0402F5K60K9](#) [HPCR0402F620KK9](#) [HPCR0402F620RK9](#)
[HPCR0402F68K0K9](#) [HPCR0402F6K20K9](#) [HPCR0402F6K80K9](#) [HPCR0402F750KK9](#) [HPCR0402F750RK9](#) [HPCR0402F7K50K9](#)