

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 – SBB Series

产品规格

Product Type

SBB-M-0.5F-y-t5

申请承认日期

Apply Date

2019-11-28

版本

REV. _____

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

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.

Add: 深圳市龙华区环观中路荣倡工业园 7 栋 4 楼

Tel: 0755-26517682 Fax: 0755-83918284

E-mail: yezhan@yezhan.com.cn

| | | |
|--|----------|--------------|
| 标准书名 Classification 承认书 Specification | Spec No. | YZ-QR-EN-007 |
| 品 名 : 内拆分流电阻 SBB 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[内拆分流电阻]。

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 $65 \pm 5\%$.

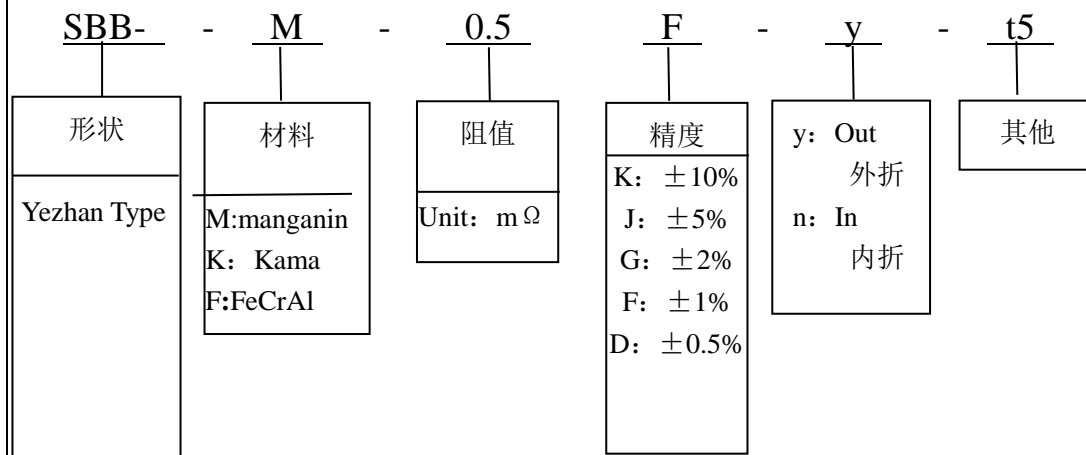
Being no doubt about the judgment, measurements can be made within the following Temperature

$5 \sim 35^\circ\text{C}$, Humidity $45 \sim 85\%$.

1.4 形名 (例) Type designation (example)

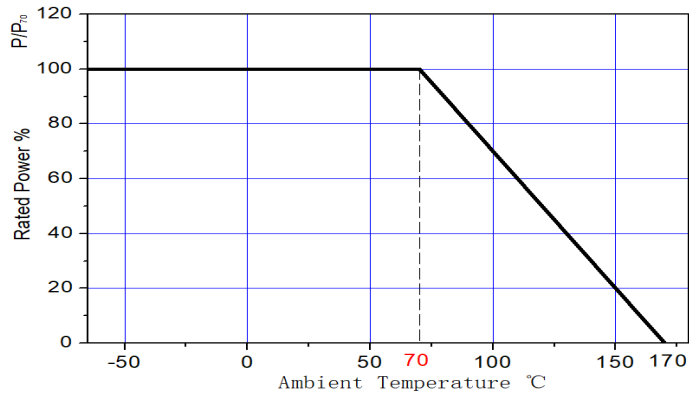
依使用种类、线径、脚距、形状、公称电阻值、电阻值容许差而区别, 其构造如下:

The type designation shall be in the following form and as specified.

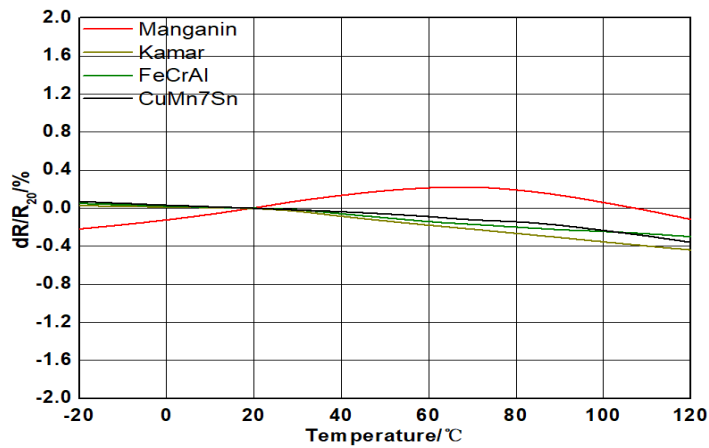


| | | |
|---|----------|--------------|
| 标准书名 Classification 承认书 Specification | Spec No. | YZ-QR-EN-007 |
| 品名：内拆分流电阻 SBB Series Product Name: Alloy Shunt Resistors | Version | 1.5 |
| | Page | 5-3 |

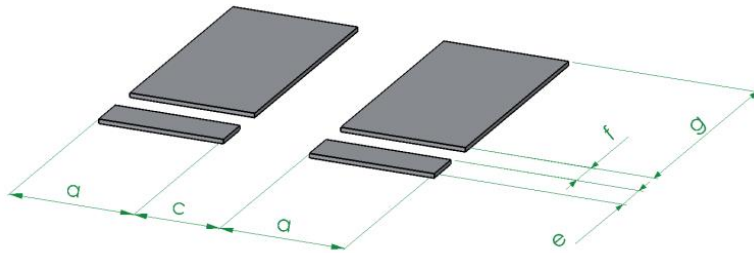
1.5 功率曲线 Power Derating



1.6 温度系数曲线 TCR Derating



1.7 推荐焊盘尺寸 Recommended Solder Pad Layout



| PCB | a | c | e | f | g |
|--------|-----|-----|-----|-----|-----|
| 内折 In | 2.9 | 2 | 0.9 | 0.8 | 5.6 |
| 外折 Out | 4 | 5.5 | 0.9 | 0.8 | 5.6 |

1.8 印字标识 Marking

R0003 1% 0.3mΩ 1%

| | | |
|--|----------|------------------|
| 标准书名 Classification 承认书 Specification | Spec No. | YZ-QR-EN-00 7 |
| 品 名 : 内拆分流电阻 SBB Series Product Name: Alloy Shunt Resistors | Version | 1.5 |
| | Page | 5-4 |

1.9 特征 Feature

| 项 目 | 参 数 |
|------|-------------|
| 图 解 | |
| 阻 值 | 0.3~3mΩ |
| 精 度 | ±1%、±2、±5% |
| 额定功率 | 5W |
| 使用温度 | -65°C~170°C |

| 阻值 Resistor | 类型 Type | M | H | W | T | A | X | D |
|-----------------|------------|---------|-------|---------|----------|---------|---------|-----|
| SBB-M-0.3F-y-t5 | Out | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 1.06±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-M-0.5F-y-t5 | Out | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.67±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-M-1F-y-t5 | Out | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.33±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-K-2F-y-t5 | Out | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.47±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-K-3F-y-t5 | Out | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.34±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-M-0.5F-n-t5 | In | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.67±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-M-1F-n-t5 | In | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.33±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-K-2F-n-t5 | In | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.5±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |
| SBB-K-3F-n-t5 | In | 6.6±0.3 | 3±0.5 | 6.9±0.3 | 0.34±0.1 | 2.5±0.2 | 4.8±0.4 | 0.9 |

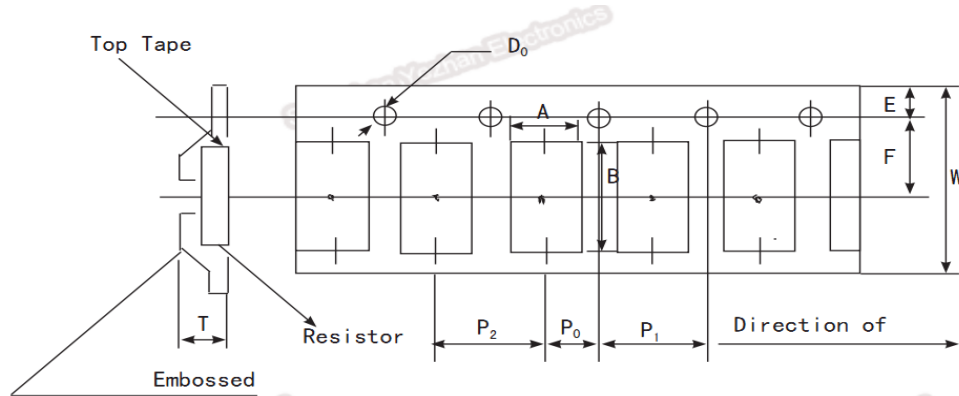
| | | |
|---------------------------------------|----------|--------------|
| 标准书名 Classification 承认书 Specification | Spec No. | YZ-QR-EN-007 |
| 品名：内拆分流电阻 SBB Series | Version | 1.5 |
| Product Name: Alloy Shunt Resistors | Page | 5-5 |

2 应用范围 Applications

- 混合应用的电源电流传感器 Current sensor for power hybrid applications
- 变频器 Frequency converters
- 电源模块 Power modules
- 通讯系统 Communication system
- 自动化控制电源 Automatic control power supply
- 汽车市场的高电流应用 High current applications for the automotive market
- 体系认证 IATF16949

3 包装 Packaging

编带 Embossed Plastic Tape Specifications



| Type | A | B | W | E | F | P0 | P1 | P2 | D0 | T | Quantity (EA) |
|------|-----|------|----|------|------|----|----|----|-----|-----|---------------|
| In | 7.5 | 8 | 16 | 1.75 | 7.35 | 6 | 12 | 12 | 1.5 | 3.8 | 3000 |
| Out | 7.5 | 12.1 | 24 | 1.75 | 12.2 | 6 | 12 | 12 | 1.5 | 3.5 | 1000 |

4 工作特性 Performance Date

| Items | Additional Requirements | Reference | Limits |
|------------------------------|--|----------------------------|------------------------|
| Temperature Cycling | 1000 Cycles(-55°C to +125°C) Measurement at 24±2hours after test conclusion | JESD22 Method JA-104 | ±0.5% |
| High Temperature Exposure | 1000hrs.@T=125°C.Unpowered. Measurement at 24±2hours after test conclusion | MIL-STD-202 Method 108 | ±0.5% |
| Biased Humidity | 1000hrs 85°C/85%RH. Note: Specified conditions: 10% of operating power. Measurement at 24±2hours after test conclusion | MIL-STD-202 Method 103 | ±0.5% |
| Operational Life | Condition D Steady State TA=125°C at rated power. Measurement at 24±2hours after test conclusion | 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 Measurement at 24±2hours after test conclusion | MIL-STD-202 Method 210 | ±0.5% |
| Short Time Overload | 5×Rated power for 5 s Measurement at 24±2hours after test conclusion | MIL-STD-202 Method 301 | ±0.5% |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Current Sense Resistors - SMD category](#):

Click to view products by [Yezhan manufacturer](#):

Other Similar products are found below :

[5112](#) [65709-330JE](#) [PF2512FKF7W0R007L](#) [PR2512FKF7W0R003L](#) [PR2512FKF7W0R005L](#) [RCWL0603R500JNEA](#) [ERJ-3BQF1R1V](#) [ERJ-L14UJ42MU](#) [2-2176088-5](#) [PF2512FKF7W0R006L](#) [PF2512FKF7W0R033L](#) [2-2176089-4](#) [CD2015FC-0.10-1%](#) [PR2512FKF7W0R004L](#) [CGSSL1R01J](#) [CGSSL1R047J](#) [RC1005F124CS](#) [RCWE2512R110FKEA](#) [RCWL0805R330JNEA](#) [RL73H3AR47FTE](#) [RL73K3AR56JTDF](#) [RL7520WT-R001-F](#) [RL7520WT-R009-G](#) [RL7520WT-R020-F](#) [RLP73N1ER43JTD](#) [TL3AR01FTDG](#) [TLR3A20DR0005FTDG](#) [LRC-LR2512LF-01-R820J](#) [ERJ-3BQF4R3V](#) [ERJ-L14UF68MU](#) [TLR3A20DR001FTDG](#) [TLR3A30ER0005FTDG](#) [WR06X104JGLJ](#) [RLP73K1ER82JTD](#) [TL2BR01F](#) [TLR3A20DR01FTDG](#) [WSR3R0600FEA32](#) [ERJ-14BQF1R6U](#) [ERJ-14BQJR30U](#) [SP1220RJT](#) [SP1R12J](#) [ERJ-14BQF6R2U](#) [RL7520WT-R039-G](#) [PF1206FRF7W0R02L](#) [RL7520WT-R002-F](#) [RL7520WT-R047-F](#) [RLP73N2BR068FTDF](#) [RL7520WT-R005-F](#) [RCWE2512R220FKEA](#) [RCWE120625L0FMEA](#)