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 **Weld Precision Resistors – SBN Series**

产品规格
Product Type **SBN-K-8F-t**

申请承认日期 版本
Apply Date **2019-07-10** **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 andMaterials 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
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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[精密焊接电阻]。

This specification is available for Weld Precision 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%.

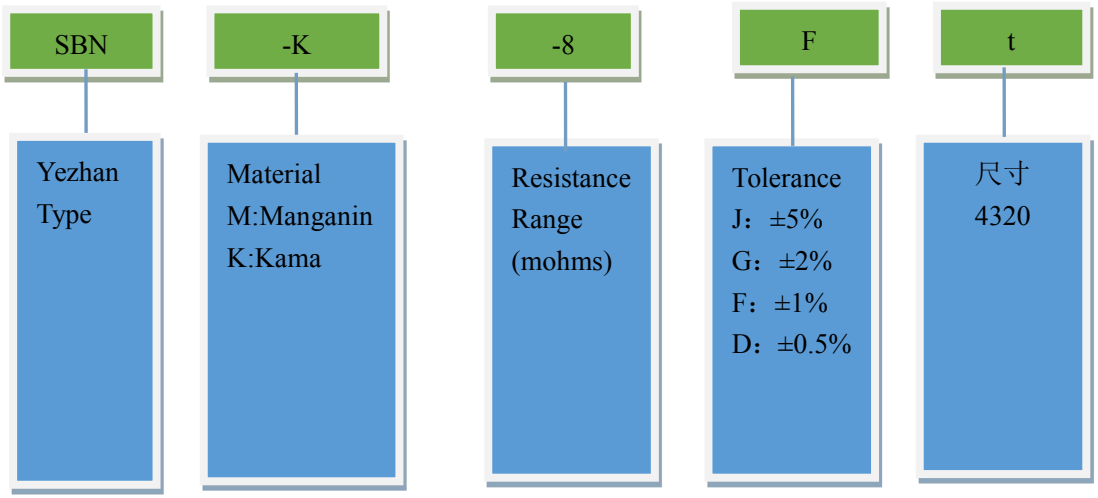
Being no doubt about the judgment, measurements can be made within the following Temperature

5～35℃, Humidity 45～85%.

1.4 形名 (例) Type designation (example)

依使用种类、材料、、公称电阻值、电阻值容许差而区别，其构造如下：

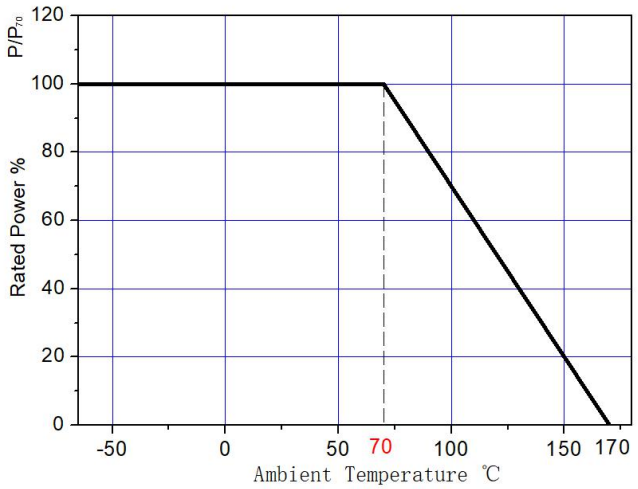
The type designation shall be in the following form and as specified.



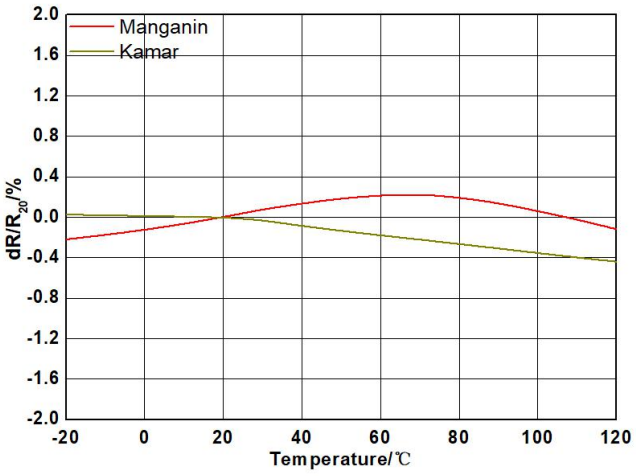
1.5 材质 Material

代号 Symbol	材料 Material	成分 Components	电阻率 Resistance rate
K	卡玛 Kama	Cr 19-21%, AL 2.5-42%, Fe 2.0-3.0%, Ni bal.	133μΩ. cm
M	锰铜 Manganin wire	Cu 85%, Mn 12%, Ni 3%	44μΩ. cm

1.6 功率曲线 Power Derating

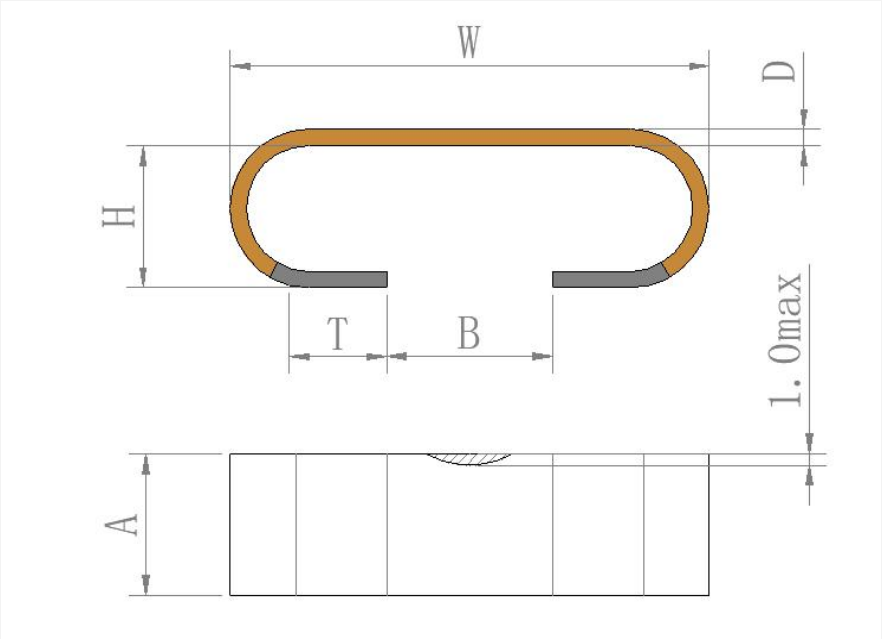


1.7 温度系数曲线 TCR Derating



1.8外形 External

.

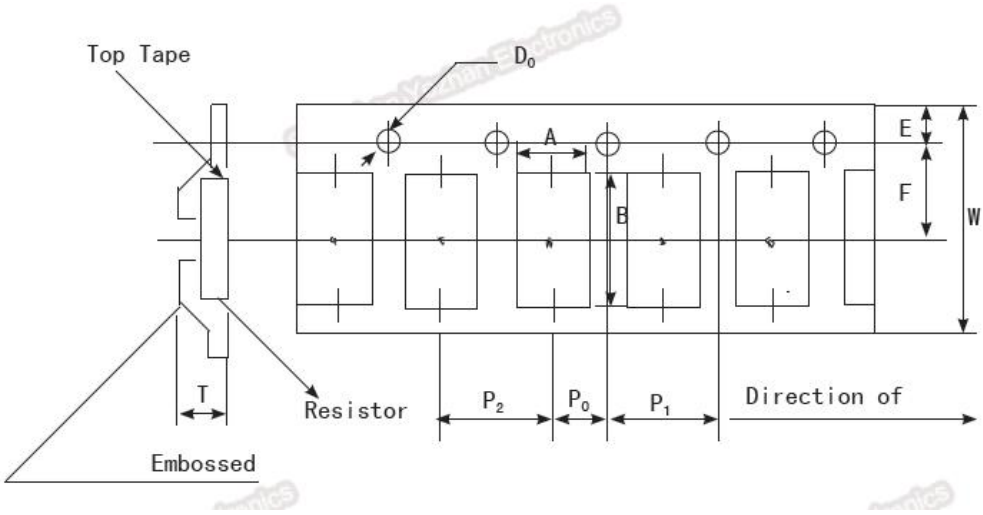
项　　目	参　　数
图　　解	
H(高度)	3.5mm±0.5mm
A(线宽)	6.1mm±0.4mm
D(线厚)	0.38mm±0.1mm
T(脚长)	2.8mm±0.5mm
W(全长)	11mm±0.5mm
B(缺距)	4.2±0.5mm
阻　　值	8mΩ±1%
额定功率	5W
使用温度	-65℃～170℃

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
- 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

Embossed plastic Tape Specifications



Unit：mm

Size	A	B	W	E	F	P_0	P_1	P_2	D_0	T	Quantity（EA）
4312	4.3	12.5	24	1.55	7.5	6	12	12	1.50	3.8	1000
4320	7.0	12.5	24	1.55	11.2	6	12	12	1.50	3.8	1000

4 工作特性 Performance Date

TEST	CONDITIONS OF TESE	TEST LIMITS
Shot time overload	5xrated power for 5 s	±(1.0%+0.0005Ω)△R
Low temperature storage	-65℃ for 45 min	±(1.0%+0.0005Ω)△R
High temperature exposure	1000 h at +170℃	±(1.0%+0.0005Ω)△R
Bias humidity	+85℃, 85%RH, 10%bias, 1000h	±(1.0%+0.0005Ω)△R
Mechanical shock	100 g's for 6 ms, 5 pulses	±(1.0%+0.0005Ω)△R
Vibration	Frequency varied 10 Hz to 200 Hz in 1 min, 3 directions, 12h	±(1.0%+0.0005Ω)△R
Load life	1000h at +70℃, 1.5h "ON", 0.5h "OFF"	±(1.0%+0.0005Ω)△R
Resistance to solder heat	+260℃solder, 10s to 12s dwell, 25mm/s emergence	±(1.0%+0.0005Ω)△R
Moisture resistance	MIL-STD-202, method 106,0% power, 7a and 7b not required	±(1.0%+0.0005Ω)△R