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 - ASR Series**

产品规格
Product Type **ASR-M-5-1-3%**

申请承认日期 版本
Apply Date **2019-08-02** **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: Shenzhen 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.
Banned 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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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[分流贴片电阻器]。

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%.

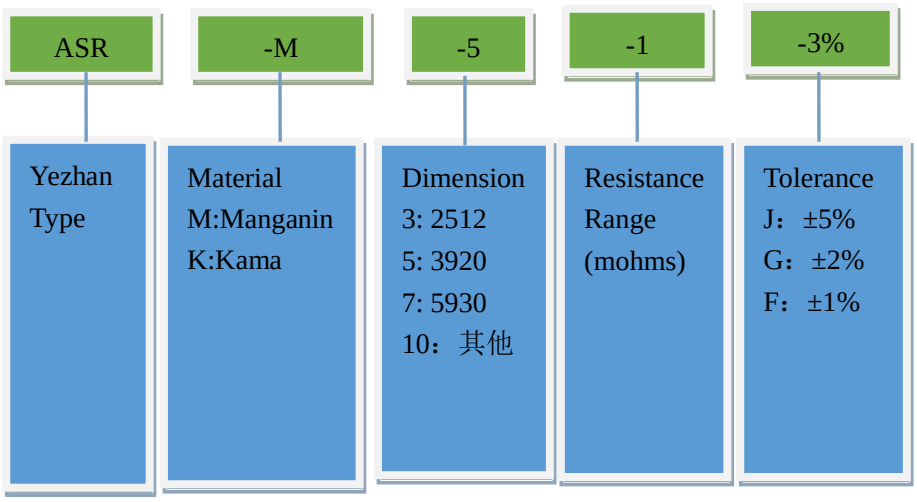
Being no doubt about the judgment, measurements can be made within the following Temperature

5～35℃, Humidity 45～85%.

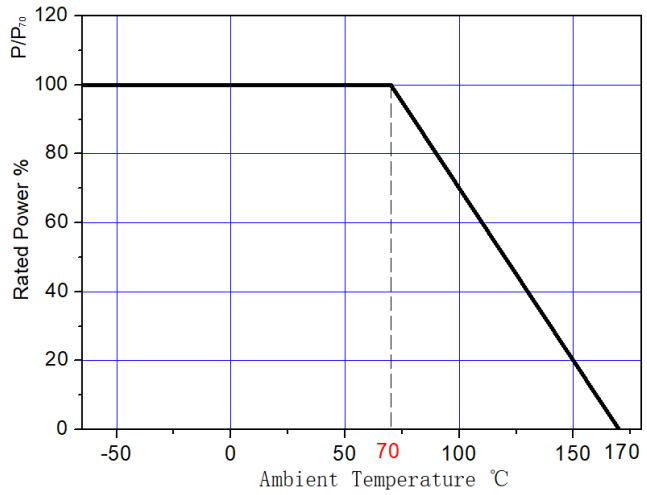
1.4 形名 (例) Type designation (example)

依使用种類、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：

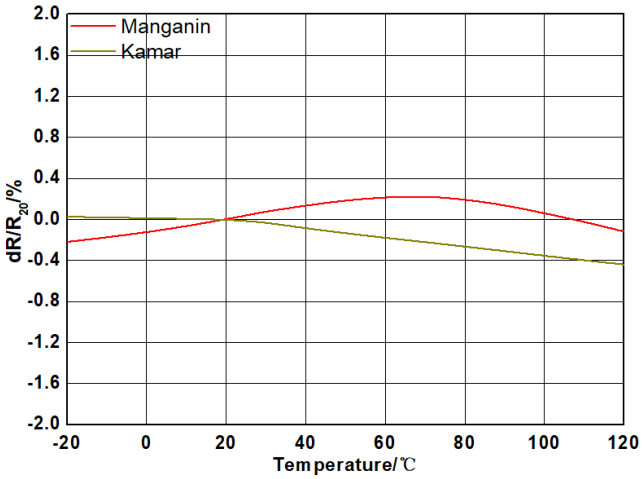
The type designation shall be in the following form and as specified.



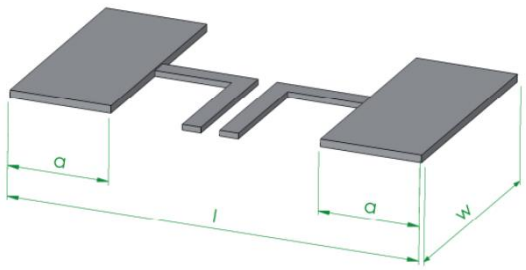
1.5 功率曲线 Power Derating



1.6 温度系数曲线 TCR Derating



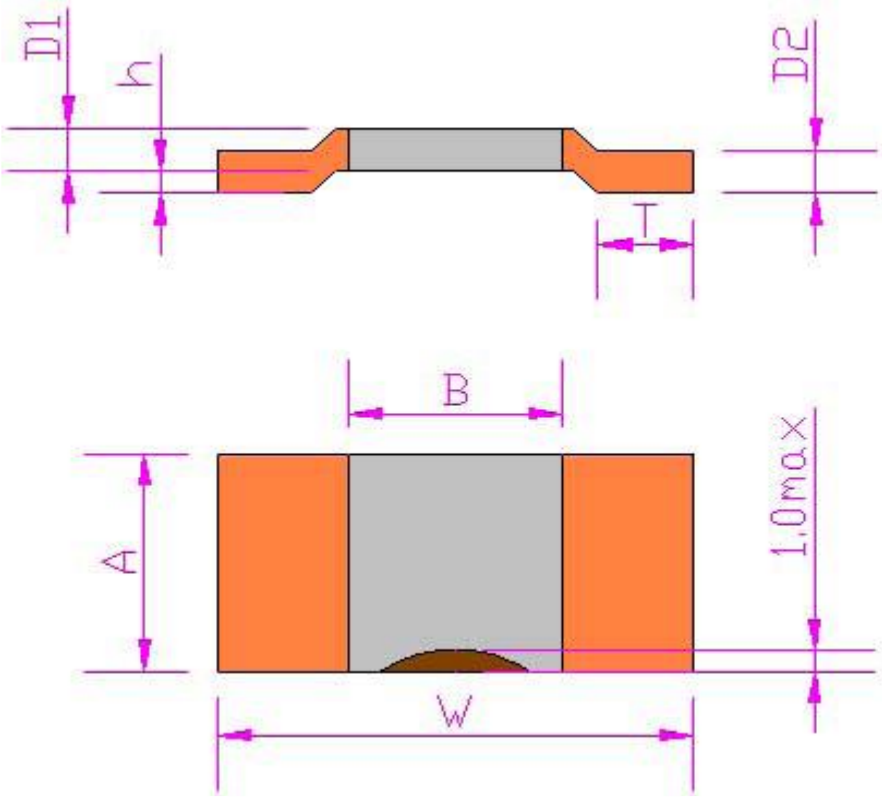
1.7 推荐焊盘尺寸 Recommended Solder Pad Layout



PCB	l	w	a
2512	7	3.4	1.8
3920	11	6.2	2.7
5930	16	8.75	5.2

1.8 外形 External

.

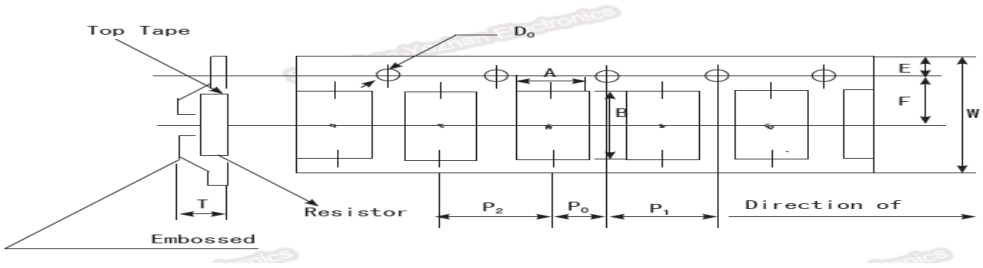
项　　目 Item	参　　数 Parameters
材　　质 Material	锰铜 Manganin
图　　解 Drawing	
W	10mm±0.2mm
A	5.1mm±0.4mm
B	4.5mm±0.3mm
T	2.2mm±0.2mm
h	0.5mm±0.1mm
D1	0.4mm±0.1mm
D2	0.4mm±0.1mm
阻　　值 Resistors	1mΩ±3%
额定功率 Rated Power	5W
推荐使用温度 Operating Temperature	-65℃～170℃

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
- 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

Embossed plastic Tape Specifications



Unit：mm

Size	A	B	W	E	F	P_0	P_1	P_2	D_0	T	Quantity
2512	4.3	7.6	16	1.55	7.5	3.85	7.7	7.7	1.50	1.7	1000
3920	6	11	24	1.55	11.2	6	12	12	1.50	2.0	2500
5930	8.6	16	24	1.55	10.8	6	12	12	1.50	2.4	2000

4 工作特性 Performance Date

Iterms	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	±1%
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%

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