



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-5-0.3F

申请承认日期

Apply Date

2019-07-04

版本

REV. _____

供货商属性 代理商 _____

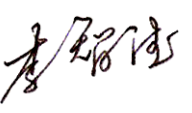
Vendor Type Agency

制造商 深圳市业展电子有限公司

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.

Add: 深圳市龙华新区观澜街道办横坑河东村 440 号 6-7 栋
Building 6th-7th, Rongchang Industry Zone, Longhua
New District, Shenzhen City, P.R.China

Tel: 0086-755-26517682 ext:8018 Fax: 0086-755-83918284

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：分流贴片电阻器 ASR Series Product Name: Alloy Shunt Resistors	Version	1.5
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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%.

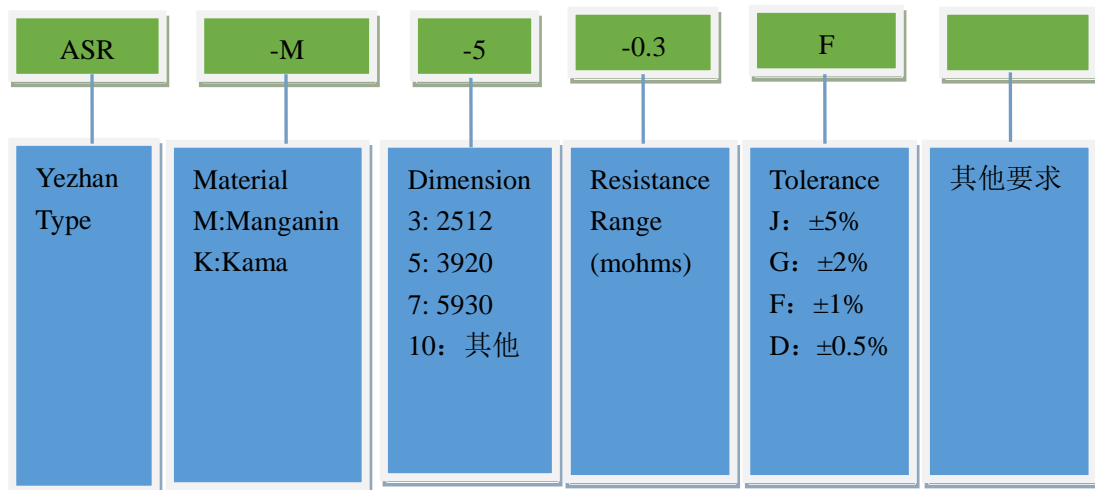
Being no doubt about the judgment, measurements can be made within the following Temperature

5~35℃, Humidity 45~85%.

1.4 形名 (例) Type designation (example)

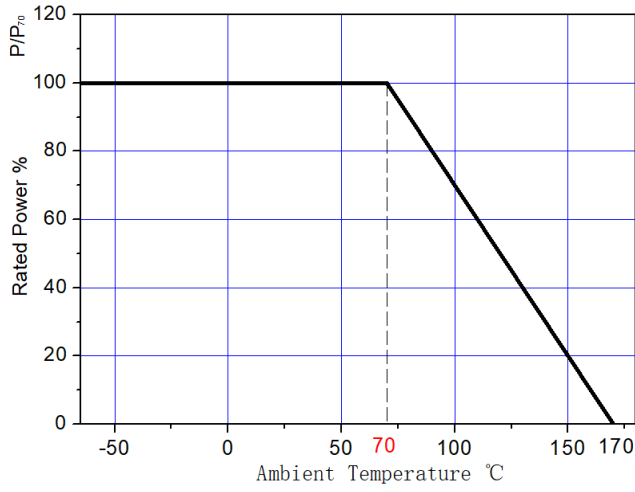
依使用种类、材料、规格、形状、公称电阻值、电阻值容许差而区别，其构造如下：

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

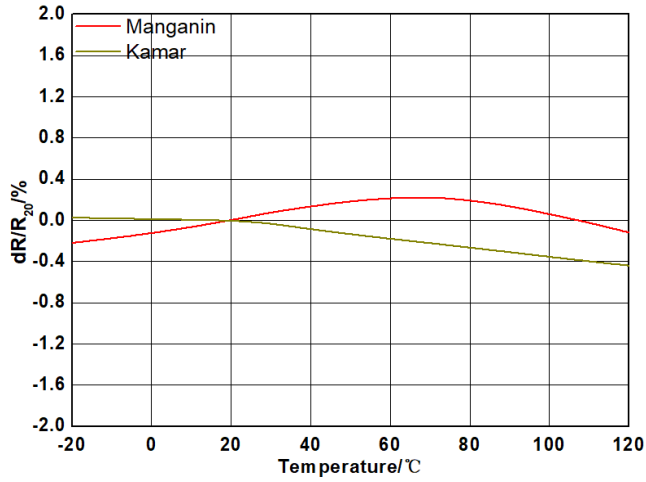


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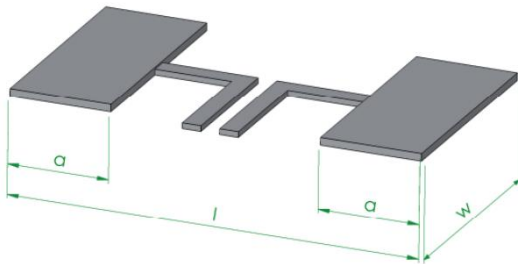
1.5 功率曲线 Power Derating



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

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1.8 外形 External

项目 Item	参数 Parameters
图 解 Drawing	<p>The drawing shows two views of the resistor. The top view (side view) shows a central grey rectangular body of length B and thickness h, with two orange trapezoidal leads of length T extending from either side. The total length is W. The height of the leads is h. The diameter of the leads is D1. The diameter of the central body is D2. The bottom view (top view) shows a rectangular body of width A and length B, with a semi-circular lead on the bottom surface. The total width is W. The maximum height of the leads is 1.0max.</p>
W	10mm±0.2mm
A	5.1mm±0.4mm
B	4.5mm±0.3mm
T	2.2mm±0.2mm
h	0.5±0.1mm
D1	1.37±0.1mm
D2	1.37±0.1mm
阻 值	0.3mΩ±1%
额定功率	10W
使用温度	-65℃~170℃

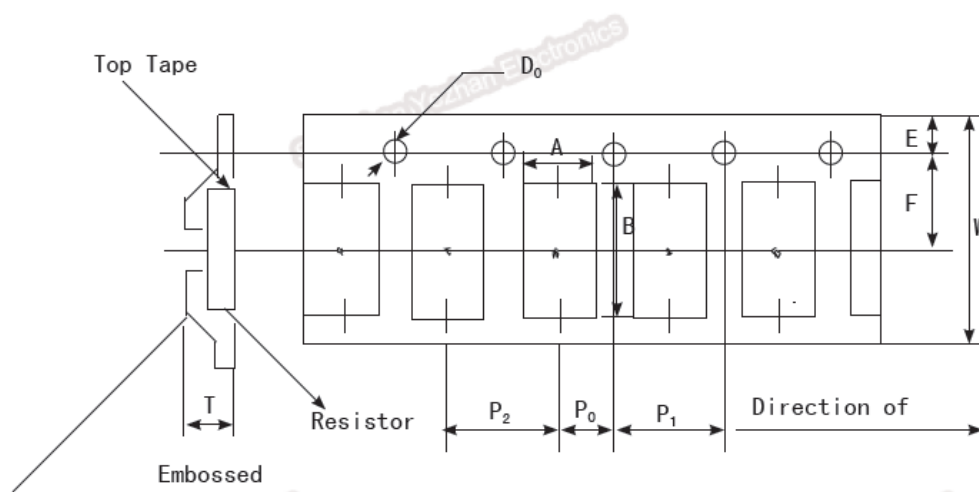
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2 应用范围 Applications

- 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 satisfied.

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

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