



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 Shunt Resistors - UBH Series
产品规格
Product Type UBH-U-100-30F-t-X1
申请承认日期
Apply Date 2020-09-12 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: 0755-26517682-8018/ 18926048203
Fax: 0755-83918284
E-mail: caixiaojuan@yezhan.com.cn

标准书名 Classification 承认书 Specification	Spec No.	YZ-QR-EN-007
品名 : 分流电阻器 UBH Series	Version	1.5
Product Name: Alloy Shunt Resistors	Page	4-1

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[U型分流电阻器]。

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 $20 \pm 2^\circ\text{C}$ 、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 $65 \pm 5\%$.

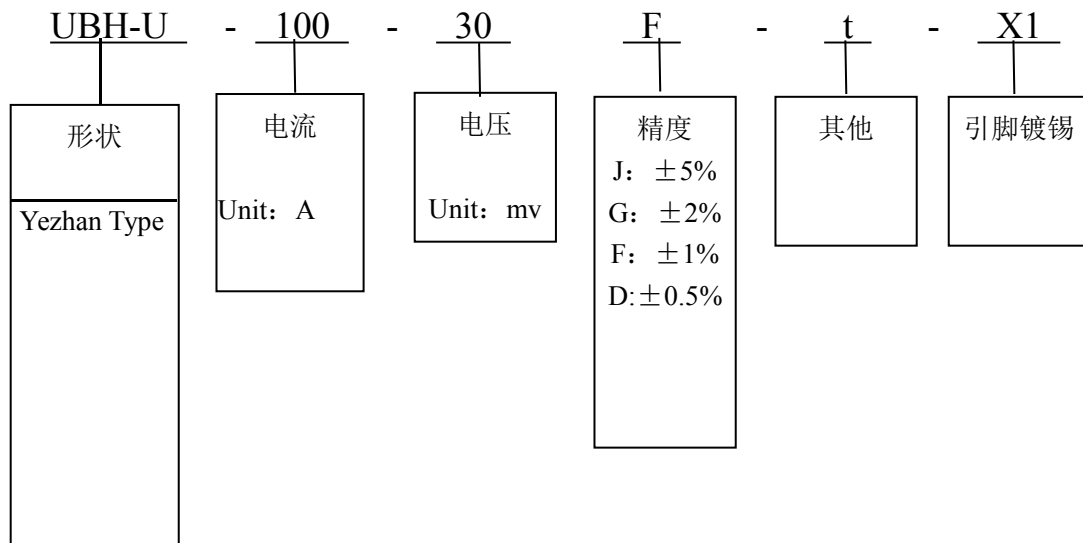
Being no doubt about the judgment, measurements can be made within the following Temperature

$5 \sim 35^\circ\text{C}$, 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.

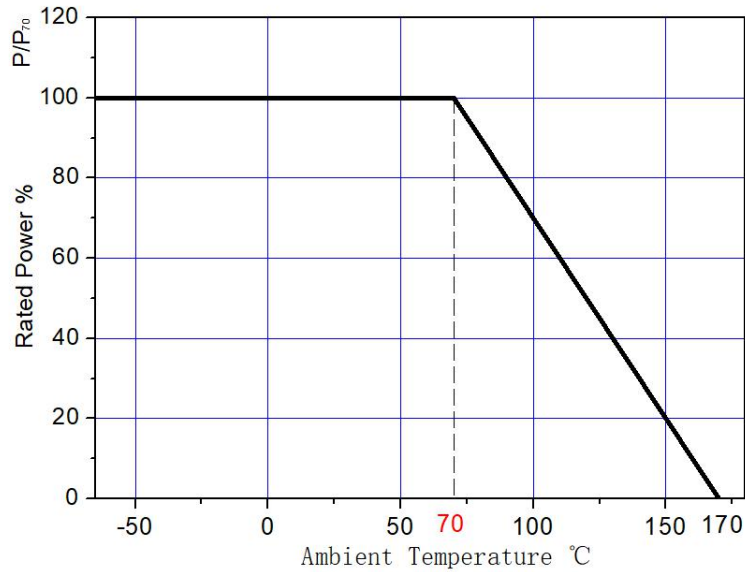


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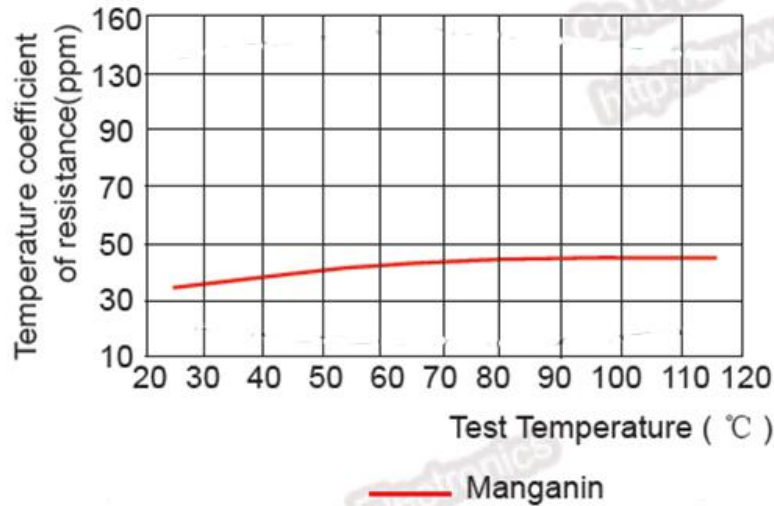
1.5 材质 Material

代号 Symbol	材料 Material	成分 Components	电阻率 Resistance rate
2	锰铜 Manganin wire	Cu 85%, Mn 12%, Ni 3%	44 $\mu\Omega \cdot \text{cm}$

1.6 功率曲线 Power Derating



1.7 温度系数曲线 TCR Derating



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1.8 外形 External

项 目	参 数
材 质	锰铜+无氧铜拼接带
图 解	<p>The drawing shows two views of a shunt resistor. The left view is a top-down perspective showing a rectangular body with a central square cutout. Dimensions include C (width), L (total length), B (cutout width), T (cutout depth), and A (height of the base). The right view is a side profile showing a U-shaped top with a semi-circular arch. Dimensions include W (width between leads), D (thickness of the top layer), H (total height), and E (height of the base).</p>
C (线宽)	15mm±1mm
W (跨距)	8.4mm±0.5mm
D (线厚)	2mm±0.1mm
A (脚长)	3.0mm±0.2mm
H (高度)	15mm±2mm
L	18mm±0.2mm
B	6mm±0.2mm
T	1.2mm±0.2mm
E	1mm±0.1mm
阻 值	0.3mΩ±1%
额定功率	3W
使用温度	-65℃~170℃

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2.0 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	±0.5%
Solderability	245°C±5°C,5s+0.5s/-0	J-STD-002C	95% CoverageMin
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%