



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

产品规格

Product Type

申请承认日期

Apply Date

Shunt Resistors - UBH Series

UBH-U-80-40F-X1

版本

REV.

2020-09-12

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

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标准书名 Classification 承认书 Specification	Spec No.	YZ-QR-EN-007
品 名：分流电阻器 UBH 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[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 $20\pm2^{\circ}\text{C}$ 、湿度 $65\pm5\%$ 。

但在温度 $5\sim35^{\circ}\text{C}$ 、湿度 $45\sim85\%$ 之情况下，仍可给予判定。

Temperature $20\pm2^{\circ}\text{C}$, Humidity $65\pm5\%$.

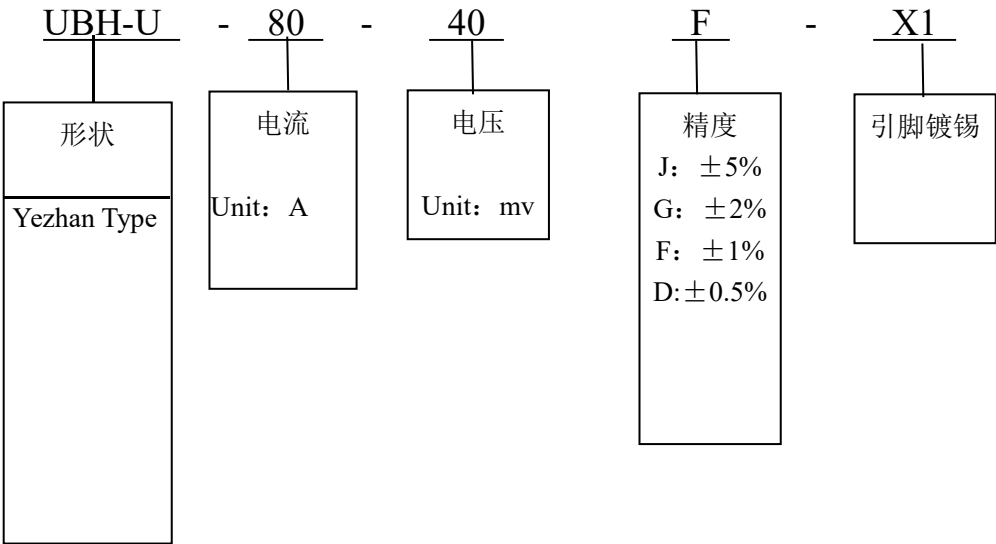
Being no doubt about the judgment, measurements can be made within the following
Temperature

$5\sim35^{\circ}\text{C}$, Humidity $45\sim85\%$.

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.

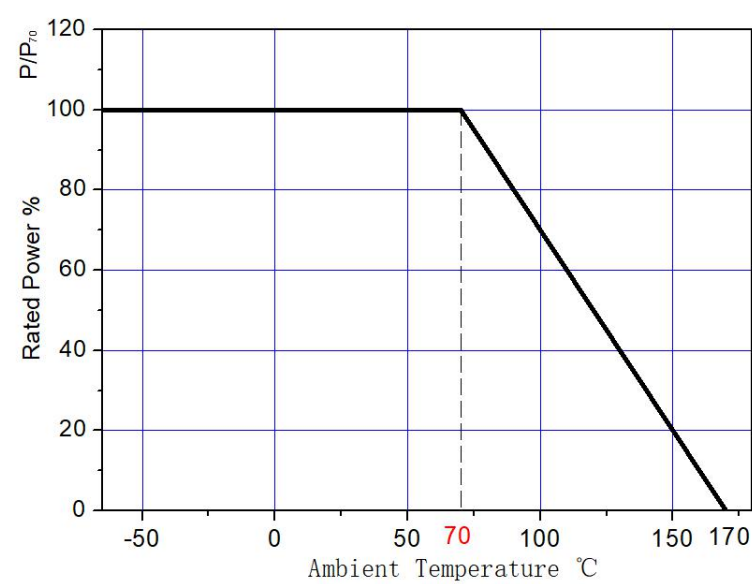


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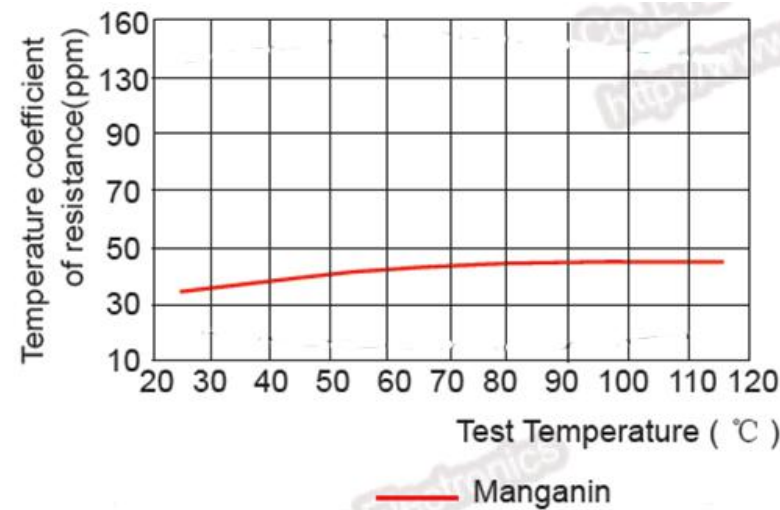
1.5 材质 Material

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 μ Ω . 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	The technical drawing illustrates the physical dimensions of the shunt resistor. The top view (left) shows a rectangular component with a central tab. Dimensions include C (line width), W (pitch), D (line thickness), A (lead length), L (total length), B (tab width), T (tab thickness), and E (lead thickness). The side view (right) shows the component's profile with dimensions H (height) and W (pitch). The component is labeled with '80A' and '40mV'.
C (线宽)	14mm±1mm
W (跨距)	6.4mm±0.5mm
D (线厚)	1.95mm±0.1mm
A (脚长)	3.0mm±0.2mm
H (高度)	22mm±2mm
L	15mm±0.2mm
B	5.8mm±0.1mm
T	1.4mm±0.1mm
E	1.5mm±0.1mm
阻 值	0.5mΩ±1%
额定功率	3.2W
使用温度	-65℃~170℃

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2.0 工作特性 Performance Data

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%