

分流插件电阻-ACR系列

Alloy Shunt Resistors – ACR Series

特征 Features

精度±5%、±2%和±1%	Tolerance ±5% ±2% and ±1%
使用温度-65°C~170°C	Operating Temperature range -65°C~170°C
电子束焊接结构	Electron beam welding
耐冲击	Ideal for pulse application
符合ROHS 要求	RoHS Compliant
特殊规格可以订做	Customizable
符合AEC-Q200	AEC-Q200 qualified.



应用范围 Applications

变频驱动、伺服驱动系统	Frequency conversion drive, servo drive system
大电流电池管理系统	High current battery management system
汽车电子控制单元、汽车油泵驱动	Automobile electronic control unit, automobile oil pump drive
DC/DC, DC/AC电源模块	DC/DC, DC/AC power modules
自动化控制系统	Automatic control system
工业仪器设备	Industrial instrument and equipment

订购信息 Ordering information

ACR	-11.3	-7	F	
Yezhan Type: ----- ACR	Pin pitch: (mm) -----	Resistance Value:(mΩ) -----	Tolerance: ----- J: ±5% G: ±2% F: ±1%	Other -----

说明 Notice

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[分流插件电阻器]。

This specification is available for Alloy Shunt Resistors manufactured by Shenzhen Yezhan Electronics Co., Ltd.

标准试验状态 Standard measuring conditions

温度20±2°C、湿度65±5%。但在温度5~35°C、湿度45~85%之情况下，仍可给予判定。

Temperature 20±2°C, Humidity 65±5%. Being no doubt about the judgment, measurements can be made within the following Temperature 5~35°C, Humidity 45~85%.

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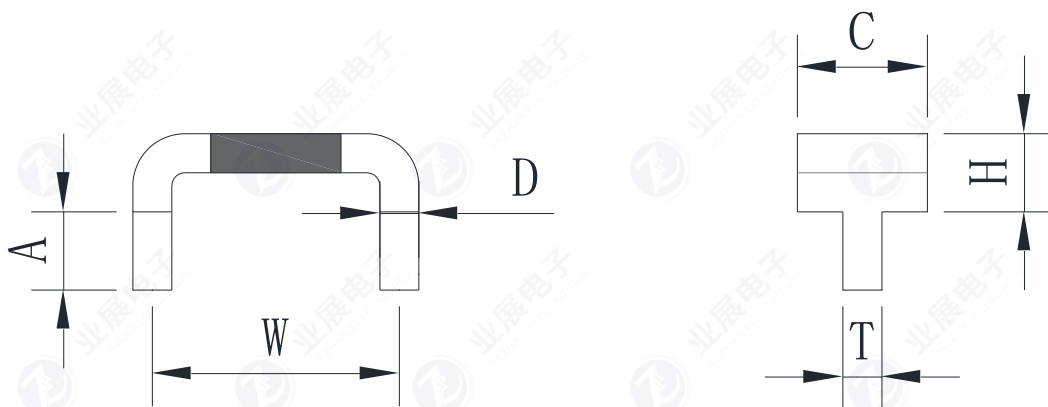
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产品尺寸 Mechanical dimensions

(Unit: mm)



Type	Resistance (mΩ)	W (mm)	H (mm)	T (mm)	C (mm)	A (mm)	D (mm)
ACR	0.5~20	5~30	3~30	0.8~1.5	2~15	3.0~5	0.3~1.5

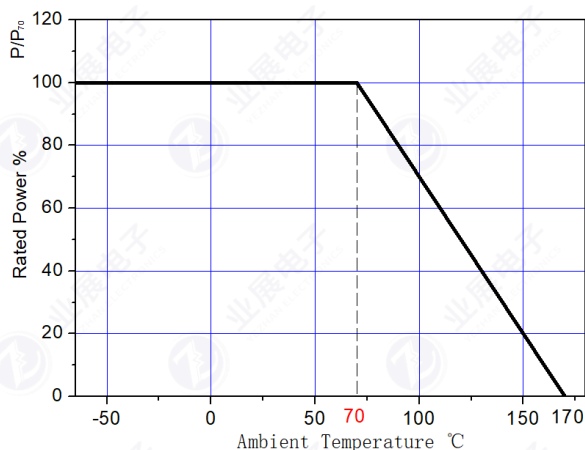
技术参数 Technical Data

Type	ACR
Resistance(Unit: mΩ)	0.5~20
Tolerance	±1%、±2%、±5%
Operating temperature range	-65°C to +170°C
Power P70°C(Unit: W)	1~7
Temperature coefficient (Unit: ppm/°C)	±20 ~ ±100
Material	M: Manganin F: FeCrAl K: Karma

TCR (ppm/°C) : Test conditions at 20°C~120°C.

工作特性 Performance Data

降功率曲线 Power Derating



耐久性测试 Endurance Test

Items	Additional Requirements	Reference	Limits
Temperature Cycling	1000 Cycles(-55°C to +125°C)	JESD22 Method JA-104	±0.5%
High Temperature Exposure	100hrs.@T=170°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	MIL-STD-202 Method 208H	95% Coverage Minimum
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%

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印字标识 Marking

R001 F

R001: 1mΩ阻值 Value F: ±1%精度 Tolerance

包装 Packaging

散装 In bulk

版本信息 Version History

Version	Date	Description of amendment	Remarks
A1.0	01-Mar-2022	First issue	