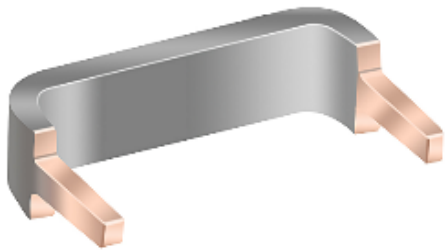
分流插件电阻-ACR系列
Alloy Shunt Resistors – ACR Series

业展电子 YEZHAN ELECTRONICS

特征 Features

精度±5%、±2%和±1%	Tolerance ±5% ±2% and ±1%
使用温度-65℃~170℃	Operating Temperature range -65℃~170℃
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

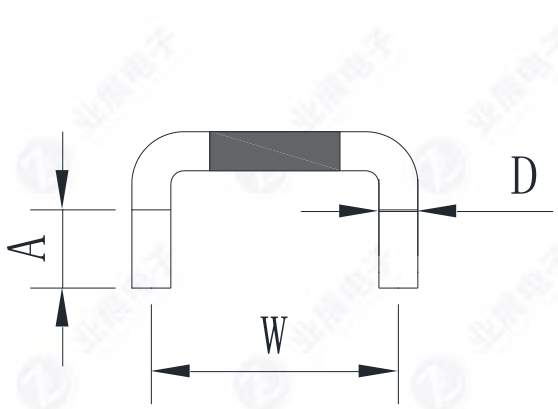
说明 Notice

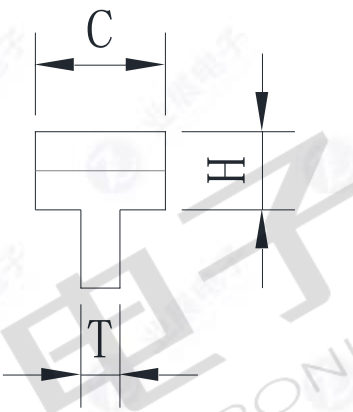
- 适用范围 Scope
- 本承认书适用于深圳市业展电子有限公司 制造之[分流插件电阻器]。
  This specification is available for Alloy Shunt Resistors manufactured by Shenzhen Yezhan Electronics Co., Ltd.
- 标准试验状态 Standard measuring conditions
- 温度20±2℃、湿度65±5%。但在温度 5~35℃、湿度45~85%之情况下，仍可给予判定。
  Temperature 20±2℃, Humidity 65±5%.Being no doubt about the judgment, measurements can be made within the following Temperature5~35℃, Humidity 45~85%.

+86-0755-26517682 yezhan@yezhan.com.cn http://www.yezhan.com.cn

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

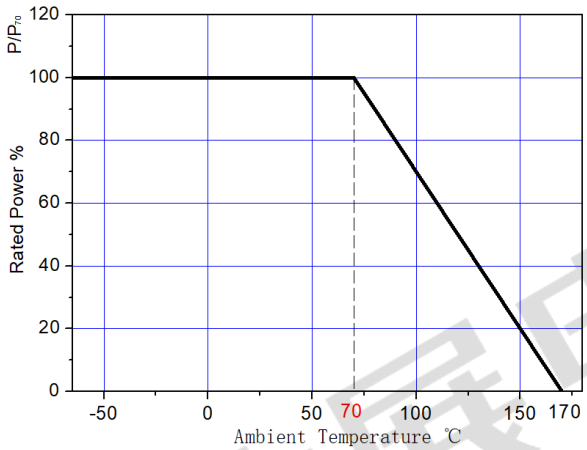
技术参数 Technical Date

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

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

工作特性 Performance Data

降功率曲线 Power Derating



耐久性测试 Endurance Test

Iterms	Additional Requirements	Reference	Limits
Temperature Cycling	1000 Cycles(-55℃ to +125℃)	JESD22 Method JA-104	±0.5%
High Temperature Exposure	100hrs.@T=170℃.Unpowered.	MIL-STD-202 Method 108	±0.5%
Biased Humidity	1000hrs 85℃/85%RH。Note:Specified conditions:10% of operating power.	MIL-STD-202 Method 103	±0.5%
Operational Life	Condition D Steady State TA=125℃ at rated power.	MIL-STD-202 Method 108	±0.5%
Solderability	245℃±5℃,5s±0.5s	MIL-STD-202 Method 208H	95% Coverage Minimum
Resistance to Soldering Heat	260℃±5℃，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%

印字标识 Marking

R001 F
R001：1mΩ阻值 Value F：±1%精度 Tolerance

包装 Packaging

散装 In bulk

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2023.06.27
受控文件

版本信息 Version History

版本 Version	日期 Date	修订描述 Description of amendment	拟定 Draft	审核 Checked
A1.0	01-Mar-2022	首版发行	邹文鉴	胡紫阳

YZ-WP-EN-287

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