

铝壳电阻(Aluminum Housed Resistors)ASC 60W-150W

抗震型铝壳电阻,小体积大功率散热快,可搭配散热器使用;

Anti-seismic Type Aluminum Housing Resistor, Small Size, High Power, Fast Heat Dissipation, Can be used with cooling device.

■ 结构 (Structure)

1. 核心电阻芯部件采用绝缘耐高温材料作为电阻骨架,选用高级优质合金丝均匀绕制,外加金属铝外壳,以高绝缘不燃性电子浆料进行灌封,使铝外壳与电阻核心部件紧密结合成一个坚实稳固的实体,不受外界空气、振动和灰尘影响,具有很高的稳固性和热传导性。

The resistors core components are made of insulating and high-temperature resistant materials as the resistors framework, evenly wound with high-quality alloy wires. Metal aluminum shell potted with high insulation non-combustible electronic paste, so that the aluminum shell and the resistance core components are closely combined into a solid entity, not affected by external air, vibration and dust, with high stability and thermal conductivity.

2. 铝外壳采用优质工业型6063铝材,并经过表面高温阳极处理,以达到更好的外观和散热效果。

The aluminum shell is made of high-quality industrial 6063 aluminum, and the surface is high-temperature anodized to achieve attractive appearance and great heat dissipation.

■ 特点(Features)

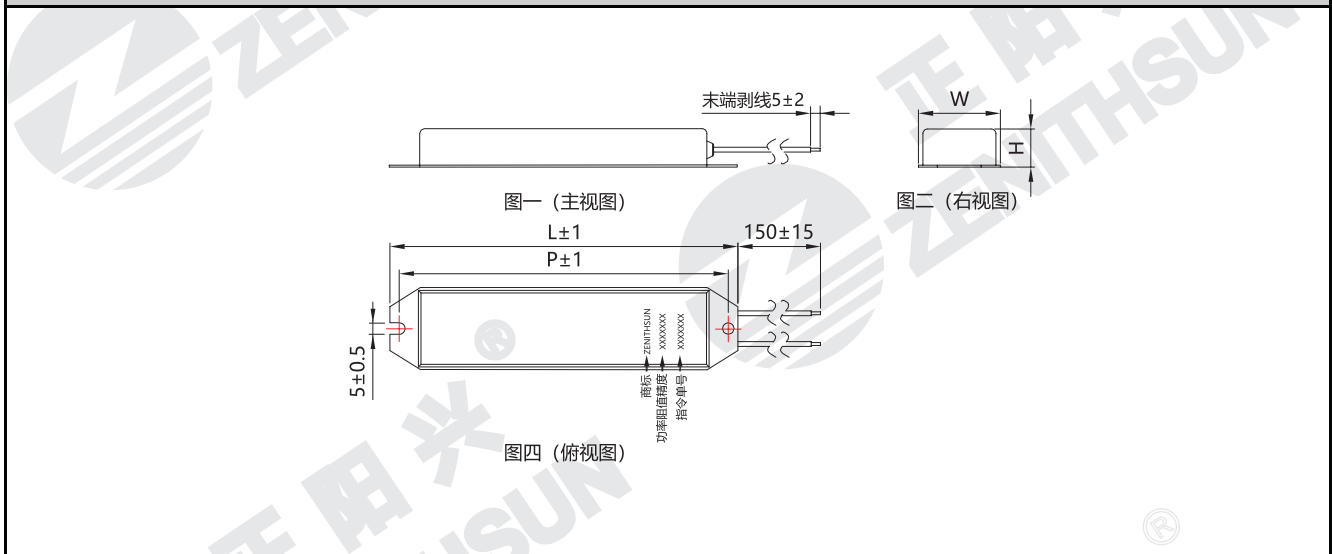
- 抗震型铝壳电阻。
Anti-seismic Type Aluminum Housed Resistors.
- 功率范围:60W-150W
Power Range:60W-150W
- 具有高稳定、耐冲击、易安装;可靠性好,产品一致性高的特点。
High stability, impact resistance and easy installation; Good reliability & high consistency
- 引出端采用耐高温导线连接。
Ends outgoing: flying leads.
- 通常用作负载、制动、脉冲、充电、放电、启动、缓冲、泄放等。
Used for loading, braking, pulse, charging, discharging, starting, buffering, discharging, ect.

■ 适用范围 (Application)

深圳市正阳兴电子的系列铝壳电阻生产周期为2-3周,广泛用于变频器、电梯、起重、船舶、电力、焊接、电源、军工、航空、风力发电、太阳能发电、自动化设备、铁路系统等行业。

Production Time : 2-3 weeks .Widely used in frequency converter, elevator, hoisting, ship, electric power, welding, power supply, military industry, aviation, wind power generation, solar power generation, automation equipment, railway system and other industries.

■ 产品尺寸图表ASC (Dimension Chart)



型号 Type	功率 Power	阻值范围 Resistance Range	精度 Tolerance	尺寸 Dimensions(mm)				净重(g) N.W	温度系数 T.C.R
				L±1	W±0.5	H±0.5	P±1		
ASC	60W	1Ω-3.3KΩ	J (±5%)	100	30	13	90	60	±100PPM ~
	80-120W	1Ω-4.7KΩ	G (±2%)	130	42	19	116	120	
	120-150W	1Ω-5.1KΩ	F (±1%)	182	42	19	164.2	170	±400PPM

备注: 如有特殊要求或者参数超出以上标准可协商供货, 可作如下改变:

1. 引出端材质, 线径及长度; 2. 引出端连接器

Note: 1. Flying leads / Metal Terminals; 2. Flying leads connector.

■ 定货示例 (How to order)

ASC	100W	20R	J
↓	↓	↓	↓
型号 Type	功率 Power	标称阻值 Nominal value	精度 (J: ±5%, G: ±2%, F: ±1%) Tolerance (J: ±5%, G: ±2%, F: ±1%)

■ 铝壳电阻性能实验参数 (Performance Characteristics)		
项目 Test	试验条件 Conditions of Test	性能要求 Testing Results
电阻值容许误差 Resistance Tolerance	测试电压≤3V,环境温度25°C Testing Voltage ≤3V, Ambient Temperature 25°C	F---G---J---K
温度系数 T.C.R	$\frac{R1-R0}{R0(T1-T0)} \times 10^6$ (PPM/°C) R0:常温(T0)下阻值 R0:Room Temperature(T0)Resistance R1:常温T0+100°C(T1)下阻值 R1:Room Temperature T0+100°C(T1)Resistance	±100PPM~ ±400PPM
额定负荷 Rated Load	40°C额定电压, 1小时 40°C, rated voltage, 1 hour	$\Delta R \leq \pm(3\%R + 0.1\Omega)$
短时间过负荷 Short Time Overload	5倍额定功率, 10秒; 10倍额定功率 5秒; 25倍额定功率 1秒 5 times rated power for 10s; 10 times rated power for 5s; 25 times rated power for 1s	$\Delta R \leq \pm(2\%R + 0.1\Omega)$
引出端对地绝缘耐压 Dielectric Withstand	0.8KV-2.5KV Vac 60秒,漏电流2.5mA 0.8KV-2.5KV Vac 60s, leakage current 2.5mA	$\Delta R \leq \pm(0.1\%R + 0.05\Omega)$
绝缘电阻值 Insulation Resistance	1000Vdc	50~1000MΩ, 1Min
引出端强度 Terminal Tensile Strength	引出端直径1.5以下20N,直径1.5以上40N,连接器端拉力20N Wire diameter ≤1.5 with 20N, wire diameter ≥1.5 with 40N, terminal tension 20N 端片式(铜端片/不锈钢端片)40N Copper end /stainless steel end, 40N	无脱落 No off
耐振性 Vibration resistance	1.5mm, 10-55-10Hz, 分别2小时 1.5mm, 10-55-10Hz, each 2 hours	无破损, 无脱落 No damage, No off
室温耐久性 Load Life	额定电压, 通电90分钟, 停30分钟, 共500小时 At rated voltage, 90 min "On", 30 min "Off", total 500 hours	$\Delta R \leq \pm(3\%R + 0.1\Omega)$
耐低温试验 Low Temp. Resistance	产品在-55°C±2°C环境条件下储存16H Store at -55 °C ± 2 °C for 16h	$\Delta R \leq \pm(1\%R + 0.1\Omega)$
耐高温试验 High Temp. Resistance	产品在70°C±2°C环境条件下储存16H Store at 70 °C ± 2 °C for 16h	$\Delta R \leq \pm(1\%R + 0.1\Omega)$
不燃性 Non-flammability	10倍额定功率, 通电5分钟 10 times rated power, power on for 5Min	允许开路, 但不燃烧 Without combustion

■ 铝壳电阻降功耗曲线图 (Derating Curve)

