

Feature (特性)

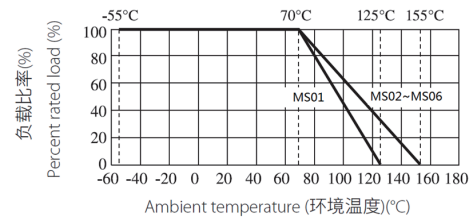
- Able to withstand high power 耐高功率
- Ultra Low sensing resistance 超低感应电阻
- Excellent frequency response 优秀的频率响应
- Excellent temperature coefficient characteristics 优秀的温度系数特性
- AEC-Q200 Qualified (MS05 and MS06)

Application (应用)

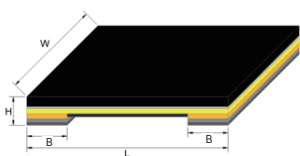
- Mobile electronic equipment-Cellular phone, NB Tablet PC, GPS,DSC, HDD
移动电话、平板计算机、GPS、DSC、硬盘驱动器
- DC-DC converter, Adapter, Battery pack and charger
直流转换器、适配器、电池和充电器
- Switching power supply 开关电源
- Voltage Regulation module 电压调整模块
- Power management applications 电源管理应用



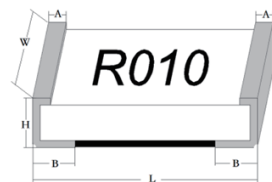
Derating Curve (降功率曲线)



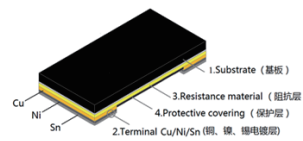
Figures (型状)



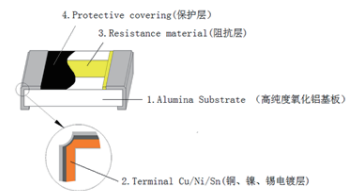
MS01, MS02



MS03, MS05, MS06



MS01, MS02



MS03, MS05, MS06

Specification (性能)

| Type 类型 | Power Rating 额定功率 | Resistance Range 阻值范围 ±1% | Dimension(尺寸)(mm) | | | | | T.C.R. 温度系数 ppm/°C |
|----------------|----------------------|---------------------------------|-------------------|-----------|-----------|------|-----------|--------------------------|
| | | | L | W | H | A | B | |
| MS01 (0201) | 1/5W | 10mΩ, 20mΩ | 0.60±0.15 | 0.30±0.15 | 0.25±0.10 | / | 0.15±0.10 | ±200 |
| | | 2.5mΩ, 3mΩ | | | | | 0.30±0.10 | ±150 |
| MS02 (0402) | 1/3W | 5~25mΩ | 1.00±0.15 | 0.55±0.15 | 0.30±0.10 | / | 0.23±0.10 | ±100 |
| | | 26~50mΩ | | | | | 0.23±0.10 | ±100 |
| MS03 (0603) | 1/2W | 5mΩ | 1.60±0.25 | 0.80±0.25 | 0.65±0.20 | / | 0.50±0.20 | ±75 |
| | | 6~30mΩ | | | | | 0.40±0.20 | ±50 |
| MS05 (0805) | 1/2W | 5mΩ~9mΩ | 2.00±0.30 | 1.20±0.30 | 0.60±0.20 | ≤1.0 | 0.65±0.15 | ±100 |
| | | 12mΩ~13mΩ | | | | | 0.57±0.15 | ±50 |
| | | 10mΩ、14mΩ~25mΩ | | | | | 0.42±0.15 | ±50 |
| MS06 (1206) | 1W | 7mΩ | 3.10±0.20 | 1.60±0.30 | 0.70±0.20 | ≤1.0 | 0.86±0.25 | ±100 |
| | | 5mΩ~6mΩ, 8mΩ~27mΩ | | | | | 0.76±0.25 | ±50 |
| | | 10mΩ~25mΩ | | | | | 0.46±0.25 | ±50 |

* Other sizes and resistor values can be customized on request. 其他规格和阻值可特别提供

Performance Specifications (性能)

| | | |
|----------------------------------|--------|---|
| Short-time overload | 短时间过负荷 | 1% : $\pm(1\%+0.001 \Omega)$ Test method 测试方法: MS01、MS02、MS03: Ruting under 2.5 times of rated power in 5 seconds at room temperature. MS01、MS02、MS03: 2.5倍额定功率、室温, 持续工作5秒 MS05、MS06: Ruting under 5 times of rated power in 5 seconds at room temperature. MS05、MS06: 5倍额定功率、室温, 持续工作5秒 |
| Solderability | 可焊性 | Coverage must be over 95%. |
| Low Temperature Storage | 低温放置 | $\pm(1\%+0.001 \Omega)$ |
| High Temperature Exposure | 高温放置 | $\pm(1\%+0.001 \Omega)$ |
| Soldering heat | 耐焊接热 | $\pm(1\%+0.005\Omega)$ |
| Load life in humidity | 湿度寿命 | 1% : $\pm(2\%+0.001 \Omega)$ |
| Load life | 负载寿命 | 1% : $\pm(2\%+0.001 \Omega)$ |

Ordering Procedure (Example: MS06 1W 1% 10m Ω T/R-5000)

订购方式 (例如: MS06 1W 1% 10m Ω T/R-5000)

