

Feature (特性)

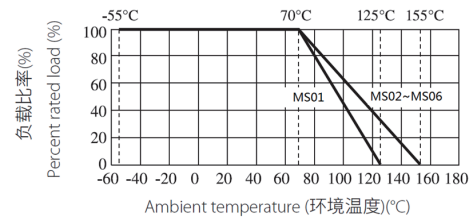
- Able to withstand high power 耐高功率
- Ultra Low sensing resistance 超低感应电阻
- Excellent frequency response 优秀的频率响应
- Excellent temperature coefficient characteristics 优秀的温度系数特性
- AEC-Q200 Qualified (MS05 and MS06)

Application (应用)

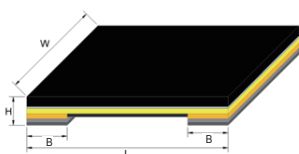
- Mobile electronic equipment-Cellular phone, NB Tablet PC, GPS,DSC, HDD
移动电话、平板计算机、GPS、DSC、硬盘驱动器
- DC-DC converter, Adapter, Battery pack and charger
直流转换器、适配器、电池和充电器
- Switching power supply 开关电源
- Voltage Regulation module 电压调整模块
- Power management applications 电源管理应用



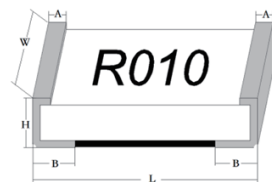
Derating Curve (降功率曲线)



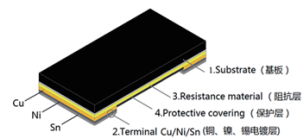
Figures (型状)



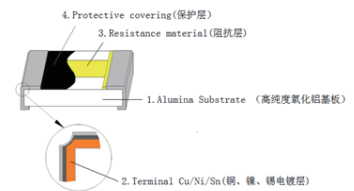
MS01、MS02



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					±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~9mΩ					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)

