

Feature (特性)

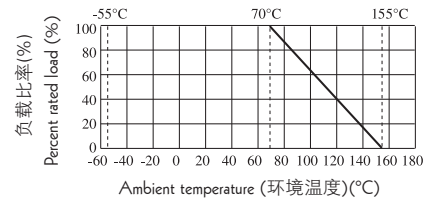
- Able to withstand high power 耐高功率
- Ultra Low sensing resistance 超低感应电阻
- Excellent frequency response 优秀的频率响应
- Excellent temperature coefficient characteristics 优秀的温度系数特性
- Lead free, RoHS compliant for global applications and halogen free 无铅，符合ROHS并不含卤



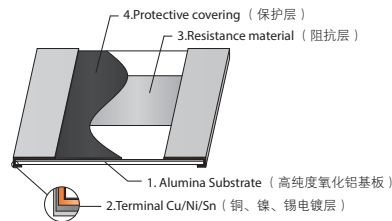
Application (应用)

- Mobile electronic equipment-Cellular phone, NB Tablet PC, GPS,DSC, HDD 移动电话、平板电脑、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 电源管理应用程序

Derating Curve (降功率曲线)



Figures (型状)



Specification (性能)

Size 规格	Type 类型	Power Rating 功率 70°C	Dimension(尺寸)(mm)					Resistance Range 阻值范围 ±1% & ±5%	T.C.R. 温度系数 ppm/°C
			L	W	H	A	B		
1206	MS06	1W 1/2W	3.10±0.20	1.60±0.30	0.70±0.20	≤ 1.0	0.50~0.70±0.25	3 ~ 25mΩ	±150
1210	MS07	1.5W	3.10±0.20	2.50±0.25	0.70±0.20	≤ 1.0	0.65±0.25	3 ~ 25mΩ	±20
1812	MS11	2W	4.40±0.20	3.20±0.25	0.70±0.20	≤ 1.0	0.80±0.30	2 ~ 100mΩ	±20
2010	MS10	1W 1.5W	5.00±0.20	2.50±0.25	0.70±0.20	≤ 1.0	1.00±0.30	2 ~ 100mΩ	±50
		2W	6.35±0.20	3.20±0.25	0.70±0.20	≤ 1.0	1.2~1.9±0.30	2 ~ 100mΩ	±30
2512	MS12	3W	6.35±0.20	3.20±0.25	0.70±0.20	≤ 1.0	1.2~1.9±0.30	2~10mΩ	±30
		3W	7.10±0.20	4.20±0.20	0.70±0.20	≤ 1.0	1.10±0.30	2 ~ 100mΩ	±30
4320	MS20	3W 5W	11.00±0.30	5.00±0.25	0.65±0.20	≤ 1.0	2.5±0.3	2 ~ 33mΩ	±30
4527	MS27	3W 5W	11.60±0.30	6.70±0.25	0.60±0.20	≤ 1.0	2.50±0.30	2 ~ 50 mΩ	±30

\* 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% & 2%: $\pm(1\%+0.001\ \Omega)$ Max (最大) 5%: $\pm(2\%+0.001\ \Omega)$ Max (最大)
Solderability	可焊性	Min 95% coverage (最少95%覆盖率)
Temperature cycling	温度循环	$\pm(0.5\%+0.005\ \Omega)$ Max. (最大)
Low Temperature Storage	低温放置	$\pm(1\%+0.001\ \Omega)$ Max. (最大)
High Temperature Exposure	高温放置	$\pm(1\%+0.001\ \Omega)$ Max. (最大)
Soldering heat	耐焊接热	$\pm(0.5\%+0.005\ \Omega)$ Max. (最大)
Load life in humidity	湿度寿命	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max. (最大) 5%: $\pm(3\%+0.001\ \Omega)$ Max. (最大)
Load life	负载寿命	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max. (最大) 5%: $\pm(3\%+0.001\ \Omega)$ Max. (最大)

### Ordering Procedure (Example: MS12 2W 1% 10m $\Omega$ T/R-4000)

订购方式 (例如: MS12 2W 1% 10m $\Omega$  T/R-4000)

