

### Feature (特性)

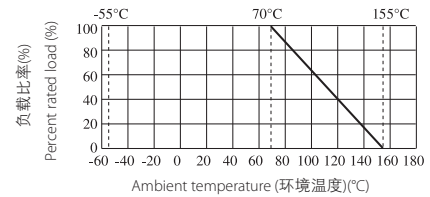
- Able to withstand high power 耐高功率
- Ultra Low sensing resistance 超低感应电阻
- Excellent frequency response 优秀的频率响应
- Excellent temperature coefficient characteristics 优秀的温度系数特性
- AEC-Q200 qualified. 符合AEC-Q200 相关条款



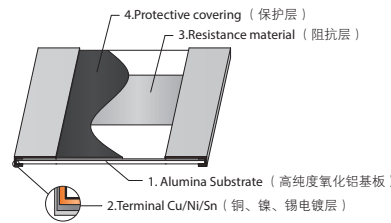
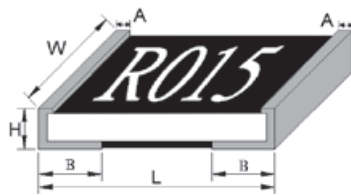
### Application (应用)

- 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)



### Specification (性能)

Type 类型	Size 尺寸	Power Rating 功率 70°C	Dimension(尺寸)(mm)					Resistance Range 阻值范围 ±1% & ±5%	Resistance Range 阻值范围 ±1% & ±5%
			L	W	H	A	B		
MS05	0805	1/2W	2.00±0.30	1.20±0.30	0.60±0.20	≤1.0	0.50±0.25	5~30mΩ	±150ppm/°C
MS06	1206	1W	3.10±0.20	1.60±0.30	0.70±0.20	≤1.0	0.50~1.00±0.25	3 ~ 25mΩ	±100ppm/°C
								26 ~ 51mΩ	±50ppm/°C
MS07	1210	1.5W	3.10±0.20	2.50±0.25	0.70±0.20	≤1.0	0.65±0.25	3 ~ 150mΩ	±30ppm/°C
MS11	1812	2W	4.40±0.20	3.20±0.25	0.70±0.20	≤1.0	0.80~1.50±0.30	2 ~ 100mΩ	±30ppm/°C
MS10	2010	1.5W	5.00±0.20	2.50±0.25	0.70±0.20	≤1.0	0.70~1.40±0.30	2 ~ 10mΩ	±50ppm/°C
								11 ~ 150mΩ	±30ppm/°C
MS12	2512	3W	6.35±0.20	3.20±0.25	0.70±0.20	≤1.0	2.50±0.30	1mΩ	±50ppm/°C
		3W	6.35±0.20	3.20±0.25	0.70±0.20	≤1.0	1.20~1.90±0.30	2 ~ 100mΩ	±30ppm/°C
		2W	6.35±0.20	3.20±0.25	0.70±0.20	≤1.0	1.20~1.90±0.30	101 ~ 250mΩ	±30ppm/°C
MS28	2728	4W	6.70±0.20	7.20±0.25	0.70±0.20	≤1.0	0.80±0.30	5 ~ 100mΩ	±50ppm/°C
MS17	2817	3W	7.10±0.20	4.20±0.20	0.70±0.20	≤1.0	1.10~1.50±0.30	3 ~ 150mΩ	±30ppm/°C
MS20	4320	5W	11.00±0.30	5.00±0.25	0.65±0.20	≤1.0	2.50±0.30	10 ~ 20mΩ	±30ppm/°C
		3W	11.00±0.30	5.00±0.25	0.65±0.20	≤1.0	2.50±0.30	2~9mΩ 21~50mΩ	±30ppm/°C
MS27	4527	5W	11.60±0.30	6.70±0.25	0.60±0.20	≤1.0	2.50±0.30	10~ 30mΩ	±30ppm/°C
		3W	11.60±0.30	6.70±0.25	0.60±0.20	≤1.0	2.50±0.30	2~9mΩ 31~100mΩ	±30ppm/°C

\* 特别提供白底黑字产品  
\* White background and black text on special offer product

\* 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)

<b>Short-time overload</b>	<b>短时间过负荷</b>	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max (最大) 5%: $\pm(2\%+0.001\ \Omega)$ Max (最大)
<b>Solderability</b>	<b>可焊性</b>	Min 95% coverage (最少95%覆盖率)
<b>Temperature cycling</b>	<b>温度循环</b>	$\pm(0.5\%+0.005\ \Omega)$ Max. (最大)
<b>Low Temperature Storage</b>	<b>低温放置</b>	$\pm(1\%+0.001\ \Omega)$ Max. (最大)
<b>High Temperature Exposure</b>	<b>高温放置</b>	$\pm(1\%+0.001\ \Omega)$ Max. (最大)
<b>Soldering heat</b>	<b>耐焊接热</b>	$\pm(0.5\%+0.005\ \Omega)$ Max. (最大)
<b>Load life in humidity</b>	<b>湿度寿命</b>	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max. (最大) 5%: $\pm(3\%+0.001\ \Omega)$ Max. (最大)
<b>Load life</b>	<b>负载寿命</b>	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max. (最大) 5%: $\pm(3\%+0.001\ \Omega)$ Max. (最大)
<b>Biased Humidity</b>	<b>偏置湿度</b>	1% & 2%: $\pm(1\%+0.001\ \Omega)$ Max (最大) 5%: $\pm(3\%+0.001\ \Omega)$ Max (最大)

### Ordering Procedure (Example: MS12 3W 1% 10m $\Omega$ T/R-4000)

订购方式 (例如: MS12 3W 1% 10m $\Omega$  T/R-4000)

