



2024 A9 MP100W 100R 1%

Year Number Model Resistance Precision:1%

年份 编码 型号 阻值 精密度1%

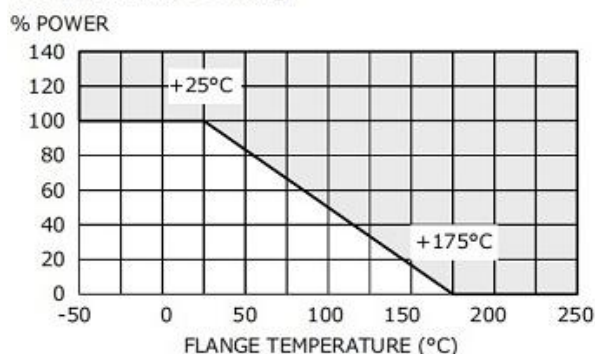
Ceramic thick film resistor 100W
100W 陶瓷厚膜无感电阻

产品特点 FEATURES

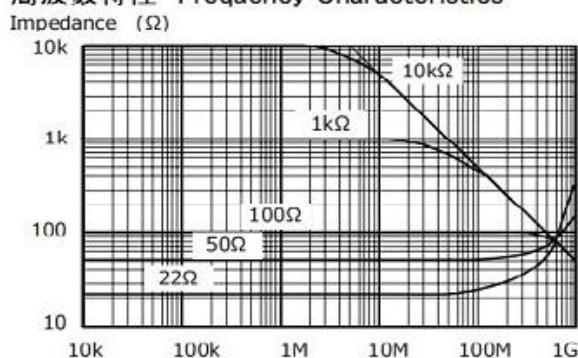
- 1%-5% 精度
- 1%-5% Tolerance available
- 100W 大功率
- 100W High power rating
- 无感设计
- Non inductive
- 环保：ROHS
- To-247 标准封装
- To-247 standrd package
- 阻值范围宽 0.01 Ω -1M Ω
- Wide ohmic value range 0.01 Ω -1M Ω
- 材料：陶瓷 胶木 铜脚
- Material: Ceramic bakelite Copper

降功耗曲线 POWER DERATING CURVE

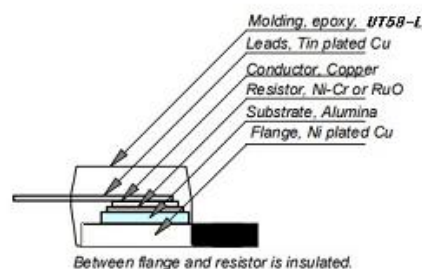
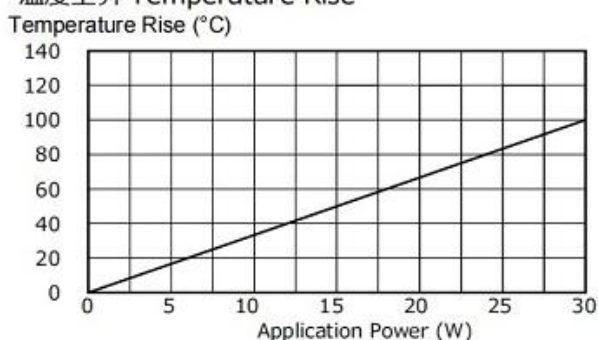
負荷輕減曲線 Derating



周波数特性 Frequency Characteristics



温度上昇 Temperature Rise



技术参数 SPECIAL FEATURES

型号 TYPE	MP100W
功率 Power rating (25°C)	100W
热阻 Thermal resistance	4.5°C/W
阻值范围 Resistance value range	0.01Ω-1MΩ
精度 Tolerance	±1%; ±5%
温度系数 TCR	±100ppm/°C; ±250ppm/°C
最大工作电压 MAX. Working voltage	350V
绝缘层耐压 Dielectric Strength	1,800VAC
温度范围 Temperature range	-55°C-160°C
气候类别 Climatic category	55/125/56

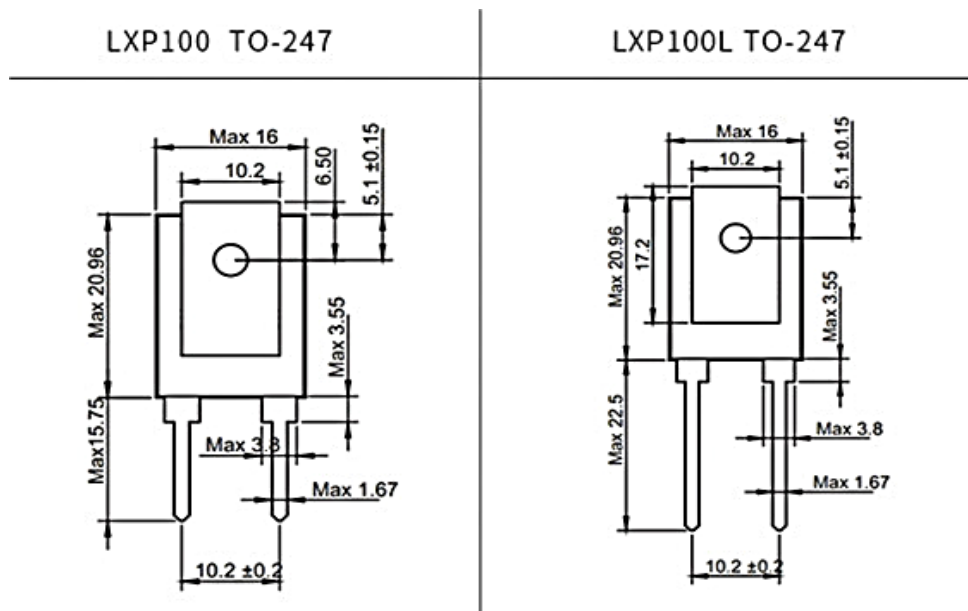
- 更高参数可协商供货。
- Special specifications can be supplied in consultation with customers.
- 所示功率需加装散热器，在无散热器的情况下功率为 5W.
- The condition of the above power is needed to mount a heatsink if they has no heatsinks, the power only be 5W.

特征参数 PERFORMANCE

试验项目 TEST ITEM	性能要求 SPECIFICATIONS	试验方法 TEST METHOD GB/T5649-2023
短时间过载 Short time overload	1.5倍额定功率, 10秒 1.5times rated power 10s $\Delta R \pm (0.25\%R + 0.05\Omega)$	4.13
快速温度变化 Rapid temperature change	$\Delta R \leq \pm (0.25\%R + 0.05\Omega)$	4.19
气候顺序 Temperature cycling	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	4.23
稳态湿热 Humidity (steady States)	$\Delta R \leq \pm (1\%R + 0.05\Omega)$	4.24
寿命 Load life	额定功率2000小时 Rated power for 2000 hours $\Delta R \leq \pm (1\%R + 0.05\Omega)$	4.25

■ 构造图 Construction: TO247-2

(mm)



背面采用陶瓷设计 The back adopts ceramic design

■ 订货示例: How To Order

MP100W-200R-F (1%)

MP100W-200R-J (5%)

订货说明: 电阻器阻值、精度、温度系数等规格指标超出范围的可协商供货。

Order Description: resistor resistance, accuracy, temperature coefficient and other specifications beyond the scope of supply can be negotiated

■ 包装方式 packaging: 采用塑料筒自封/纸质盒包装。Self sealing with plastic tube and paper box.

T0220: 20PCS/1000PCS 50PCS/1000PCS ; T0263 : 1000PSC/盘 disc

T0247: 25PCS/500PCS