



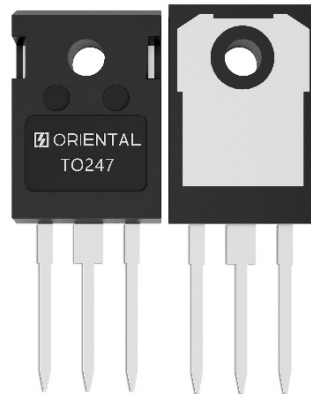
TO247 Package Type

1、产品描述:

TO247 封装, 设计用于满足苛刻的使用单端谐振拓扑结构的感应加热应用的要求。

1. Product Description

The TO247 package is designed to meet the requirements of demanding induction heating applications employing single-ended resonant topologies.



2、产品特点:

- 在导通和开关损耗方面具有同类产品最佳的性能
- 强大的集成二极管, 具有低正向电压, 用于软换向续流
- 非常窄的参数分布
- 坚固性高, 温度特性稳定
- 非常低的 VCEsat
- 由于正温度系数, 容易实现并联
- 低 EMI
- Vg=25V
- 最大工作温度为 175°C
- 符合 RoHS 标准

2. Product Features

- Best-in-class performance in terms of conduction and switching losses
- Robust integrated diode with low forward voltage for soft commutation freewheeling
- Extremely tight parameter distribution
- High ruggedness and stable temperature characteristics
- Ultra-low VCEsat
- Easy paralleling enabled by positive temperature coefficient
- Low EMI
- Vg = 25V
- Maximum operating temperature of 175°C



- RoHS compliant



3、应用价值:

- 最低的功率耗散
- 更好的热管理, 实现更高的可靠性
- 针对高达 60kHz 的开关频率进行了优化
- 能可靠承受电容性峰值电流
- 更低的 EMI 滤波器要求

3. Application Value

- Minimum power dissipation
- Enhanced thermal management for higher reliability
- Optimized for switching frequencies up to 60 kHz
- Reliable withstanding capability for capacitive peak currents
- Lower requirements for EMI filters





4、应用领域：

- 电磁炉
- 微波炉
- 电磁电饭煲

4. Application Fields

- Induction cookers
- Microwave ovens
- Induction rice cookers