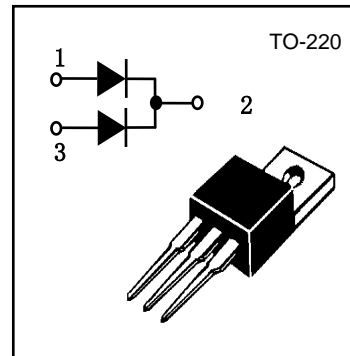


APPLICATIONS

- High efficiency switch mode power supplies
- Free wheeling diodes. polarity protection application

FEATURES

- Common cathode structure
- Low power loss,high efficiency
- High Operating Junction Temperature.
- Guard ring for overvoltage protection, High reliability
- ROHS product



绝对最大额定值 ABSOLUTE RATINGS(Tc=25°C)

| 项目 Parameter | 符号 SYMBOL | 数值 Value | 单位 UNIT |
|--|--------------|-------------|------------|
| 最大反向重复峰值电压 Repetitive peak reverse voltage | VRRM | 45 | V |
| 最大直流阻断电压 Maximum DC blocking voltage | VDC | 45 | V |
| 正向平均整流电流 Average forward current | IF(AV) | 16 | A |
| 整个器件 per device | | 8 | |
| 正向峰值浪涌电流 Surge non repetitive forward current | IFSM | 80 | A |
| 最高结温 Maximum junction temperature | TJ | 150 | °C |
| 存储温度 Storage temperature range | TSTG | -40~+150 | °C |

电特性 Electronic Character istics (Tc=25°C)

| 项目 Parameter | 测试条件 Tests conditions | | 最小值 Value (min) | 典型值 Value (typ) | 最大值 Value (max) | 单位 UNIT |
|-----------------|--------------------------|---------|--------------------|--------------------|--------------------|------------|
| IR | TJ=25°C | VR=VRRM | | | 100 | uA |
| | TJ=125°C | | | | 50 | mA |
| VF | TJ=25°C | IF=8A | | 0.52 | 0.58 | V |
| | TJ=125°C | | | 0.56 | 0.6 | V |

热特性 THERMAL CHARACTERISTICS

| 项目 Parameter | 符号 Symbol | 最小值 Value(min) | 最大值 Value(max) | 单位 Unit |
|--|--------------|-------------------|-------------------|------------|
| 结到管壳的热阻 Thermal resistance from junction to case | Rth(j-c) | | 1.9 | °C/W |

特性曲线 ELECTRICAL CHARACTERISTICS(CURVES)

