

塑封高效率整流二极管

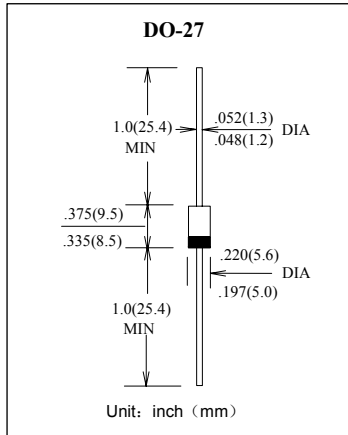
反向电压 400 --- 600 V

正向电流 3.0 A

Plastic High-Efficiency Rectifiers

Reverse Voltage 400 to 600V

Forward Current 3.0A



特征 Features

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:
250°C/10 秒, 0.375" (9.5mm)引线长度。
250°C/10 seconds, 0.375" (9.5mm) lead length,
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension

机械数据 Mechanical Data

- 端子: 镀锡轴向引线 Terminals: Plated axial leads
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	MUR340	MUR360	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	V _{RRM}	400	600	V
最大均方根电压 Maximum RMS voltage	V _{RMS}	280	420	V
最大直流阻断电压 Maximum DC blocking voltage	V _{DC}	400	600	V
平均整流输出电流 Average Rectified Output Current T _r =120°C	I _o	3.0		A
峰值正向浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	I _{FSM}	70		A
最大反向峰值电流 @TA=75°C Maximum peak reverse current full cycle	I _{R(AV)}	30		μA
典型热阻 Typical thermal resistance	R _{θJA}	15		°C/W
工作结温和存储温度 Operating junction and storage temperature range	T _J , T _{STG}	-50 --- +150		°C

电特性 TA = 25°C 除非另有规定。

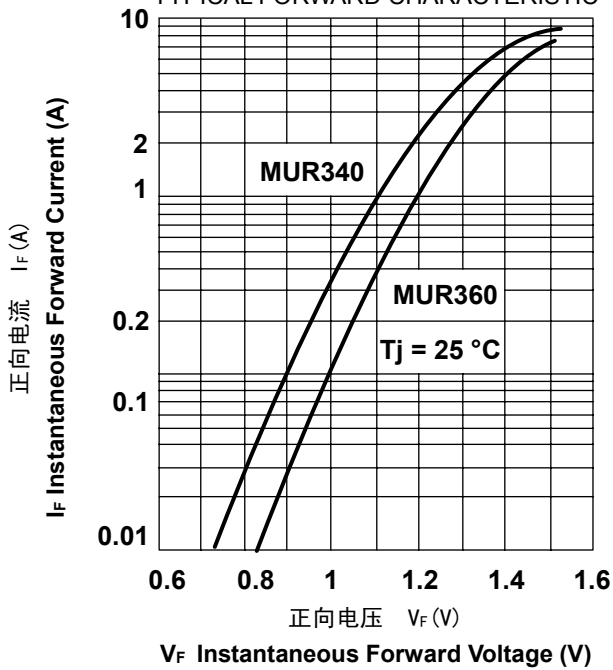
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	MUR340	MUR360	单位 Unit
最大正向电压 I _F =3.0A Maximum forward voltage	V _{FM}	1.30	1.35	V
最大反向电流 T _A =25°C Maximum reverse current T _A =150°C	I _{RM}	5.0 150		μA
最大反向恢复时间 I _F =0.5A I _R =1.0A I _{RR} =0.25A MAX. Reverse Recovery Time	trr	50	75	nS
典型结电容 V _R =4.0V f = 1.0MHz Type junction capacitance	C _j	75		pF

特性曲线 Characteristic Curves

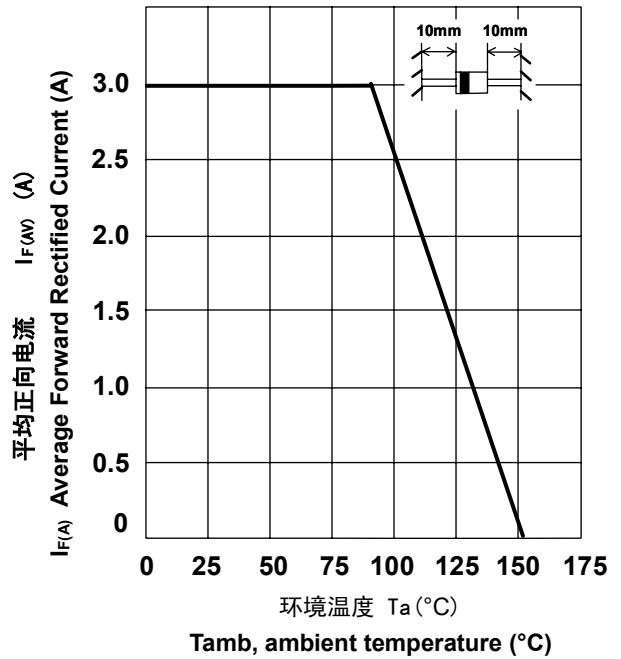
正向特性曲线 (典型值)

TYPICAL FORWARD CHARACTERISTIC



正向电流降额曲线

FORWARD CURRENT DERATING CURVE



浪涌特性曲线 (最大值)

MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT

