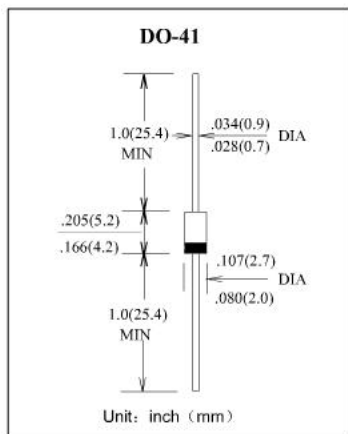


## 塑封肖特基二极管

PLASTIC SCHOTTKY  
BARRIER RECTIFIER

## 特征 Features

- 大电流承受能力。High Current Capability
- 正向压降低。Low Forward Voltage Drop
- 高温焊接保证 High temperature soldering guaranteed:  
250℃/10 秒, 0.375" (9.5mm) 引线长度。  
250℃/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

## 极限值和电参数 TA = 25℃ 除非另有规定。

## Maximum Ratings &amp; Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

	符号 Symbols	1N5817	1N5818	1N5819	单位 Unit
最大峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	20	30	40	V
最大反向有效值电压 Maximum RMS voltage	$V_{R(RMS)}$	14	21	28	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	20	30	40	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{FM}$	1.0			A
最大正向电压降 @IF = 1.0A Maximum forward voltage @IF = 3.0A	$V_F$	0.450 0.750	0.550 0.875	0.600 0.900	V
正向峰值浪涌电流 8.3ms单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	$I_{FSM}$	25			A
最大反向漏电流 @TA = 25℃ Maximum reverse current @TA = 100℃	$I_R$	1.0 10			mA
典型热阻 Typical thermal resistance	$R_{\theta JA}$	65			℃/W
典型结电容 $V_R = 4.0V$ , $f = 1.0MHz$ Type junction capacitance	$C_j$	110			pF
工作温度和存储温度 Operating junction and storage temperature range	$T_j, T_{STG}$	- 50 --- +150			℃

## 特性曲线 Characteristic Curves

