

## 塑封快恢复整流二极管

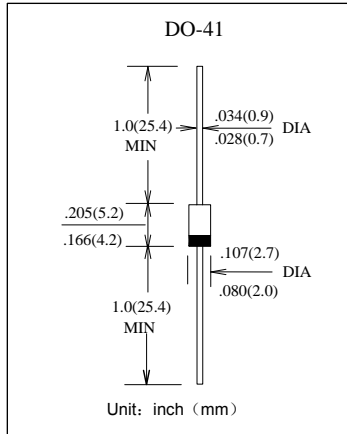
反向电压 400 ---1000 V

正向电流 1.0 A

## Plastic Fast Recover Rectifier

Reverse Voltage 400 to 1000V

Forward Current 1.0A



## 特征 Features

- 反向漏电流低 Low reverse leakage
- 正向浪涌承受能力较强 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:  
260℃/10 秒, 0.375" (9.5mm)引线长度。  
260℃/10 seconds, 0.375" (9.5mm) lead length,
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension
- 引线 and 管体皆符合RoHS标准。  
Lead and body according with RoHS standard

## 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℃ 除非另有规定。

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

	符号 Symbols	BA157	BA158	BA159D	BA159	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	400	600	800	1000	V
最大均方根电压 Maximum RMS voltage	$V_{RMS}$	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	400	600	800	1000	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	1.0				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	$I_{FSM}$	20				A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	65				℃/W
工作结温和存储温度 Operating junction and storage temperature range	$T_j, T_{STG}$	-55 ----+150				℃

## 电特性 TA = 25℃ 除非另有规定。

## Electrical Characteristics Ratings at 25℃ ambient temperature unless otherwise specified.

	符号 Symbols	BA157	BA158	BA159D	BA159	单位 Unit
最大正向电压 Maximum forward voltage $I_F = 1.0A$	$V_F$	1.3				V
最大反向电流 Maximum reverse current $T_A = 25^\circ C$ $T_A = 100^\circ C$	$I_R$	5.0 100				$\mu A$
最大反向恢复时间 MAX. Reverse Recovery Time $I_F = 0.5A$ $I_R = 1.0A$ $I_{RR} = 0.25A$	trr	150		200	300	nS
典型结电容 Type junction capacitance $V_R = 4.0V, f = 1MHz$	$C_j$	15				pF

特性曲线 Characteristic Curves

