



硅整流二极管 General Purpose Rectifier

■特征 Features

- I_o 3A
- VRRM 50V-1000V
- 耐正向浪涌电流能力高
- High surge current capability

■用途 Applications

- 整流用 Rectifier

■极限值 (绝对最大额定值)

Limiting Values (Absolute Maximum Rating)

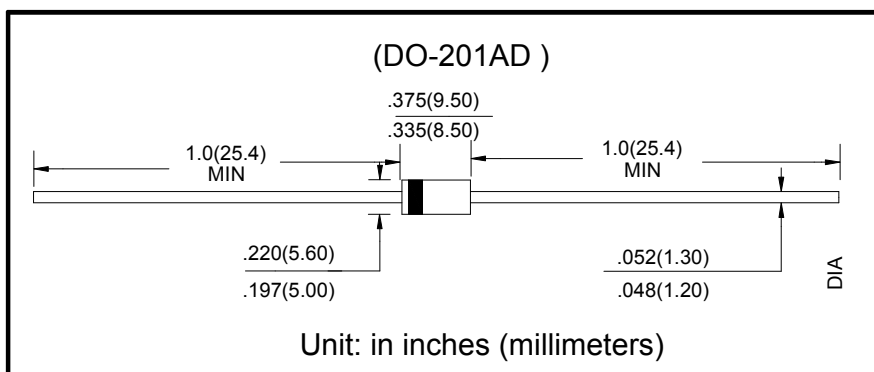
参数名称 Item	符号 Symbol	单位 Unit	条件 Conditions	1N54						
				00	01	02	04	06	07	08
反向重复峰值电压 Repetitive Peak Reverse Voltage	V_{RRM}	V		50	100	200	400	600	800	1000
正向平均电流 Average Forward Current	$I_{F(AV)}$	A	正弦半波 60Hz, 电阻负载, $T_a=50^\circ\text{C}$ 60Hz Half-sine wave, Resistance load, $T_a=50^\circ\text{C}$	3						
正向 (不重复) 浪涌电流 Surge(Non-repetitive)Forward Current	I_{FSM}	A	正弦半波 60Hz, 一个周期, $T_a=25^\circ\text{C}$ 60Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$	150						
结温 Junction Temperature	T_j	$^\circ\text{C}$		-55~+125						
储存温度 Storage Temperature	T_{stg}	$^\circ\text{C}$		-55 ~ +150						

■电特性 (Ta=25°C 除非另有规定)

Electrical Characteristics (Ta=25°C Unless otherwise specified)

参数名称 Item	符号 Symbol	单位 Unit	测试条件 Test Condition	最大值 Max	
正向峰值电压 Peak Forward Voltage	V_{FM}	V	$I_{FM}=3.0\text{A}$	1.1	
反向峰值电流 Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$	5
	I_{RRM2}			$T_a=125^\circ\text{C}$	50
热阻 (典型) Thermal Resistance(Typical)	$R_{\theta J-A}$	$^\circ\text{C}/\text{W}$	结和环境之间 Between junction and ambient	20	
	$R_{\theta J-L}$		结和引线之间 Between junction and lead	10	

■外形尺寸和印记 Outline Dimensions and Mark





■ 特性曲线 (典型) Characteristics (Typical)

