

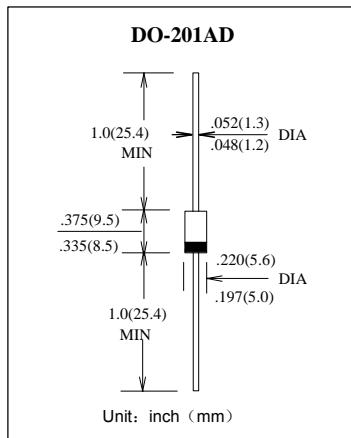


HUIZHOU JINSANE ELECTRONICS CO., LTD

1N5820.....1N5822

## 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°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

**极限值和电参数** TA = 25°C 除非另有规定。

### Maximum Ratings & Electrical Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	1N5820	1N5821	1N5822	单位 Unit
最大峰值反向电压 Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	20	30	40	V
最大反向有效值电压 Maximum RMS voltage	V <sub>R(RMS)</sub>	14	21	28	V
最大直流阻断电压 Maximum DC blocking voltage	V <sub>DC</sub>	20	30	40	V
最大正向平均整流电流 Maximum average forward rectified current	I <sub>FM</sub>	3.0	3.0	3.0	A
最大正向电压降 @IF = 3.0A Maximum forward voltage @IF = 9.4A	V <sub>F</sub>	0.475 0.850	0.500 0.900	0.550 0.950	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 <sub>FSM</sub>		80		A
最大反向漏电流 @TA = 25°C Maximum reverse current @TA = 100°C	I <sub>R</sub>		2.0 20		mA
典型热阻 Typical thermal resistance	R <sub>θJA</sub>		15		°C/W
典型结电容 V <sub>R</sub> = 4.0V, f = 1.0MHz Type junction capacitance	C <sub>j</sub>		250		pF
工作温度 Operating junction temperature range	T <sub>j</sub>		- 50 --- +125		°C
存储温度 storage temperature range	T <sub>STG</sub>		- 50 --- +150		°C

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## 特性曲线 Characteristic Curves

