

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 20 to 100 Volts FORWARD CURRENT - 3.0 Amperes

FEATURES

- Metal-Semiconductor junction with gard ring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0
- For use in low vlotage, high frequency inverters, free wheeling, and polarity protection applications

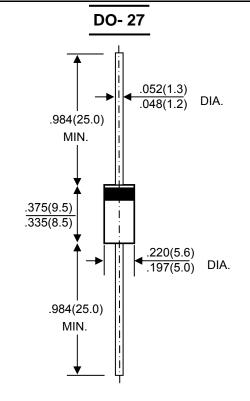
MECHANICAL DATA

● Case: JEDEC DO-27 molded plastic

Polarity: Color band denotes cathode

●Weight: 0.04ounces , 1.1grams

Mounting position: Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

VRRM VRMS	SR320 20	SR330 30	SR340	SR350	SR360	SR380	SR3100	UNIT
	20	30	40					
VRMS			40	50	60	80	100	V
	14	21	28	35	42	56	70	V
VDC	20	30	40	50	60	80	100	V
I(AV)	3.0						Α	
IFSM	80						Α	
VF	0.55			0.7		0.85		V
lr	1.0 20						mA	
Cı	250						pF	
Røjl	20			10				°C/W
TJ	-55 to +150							$^{\circ}\!\mathbb{C}$
Тѕтс	-55 to +150							$^{\circ}\!$
	I(AV) IFSM VF IR CJ RØJL TJ	I(AV) IFSM VF IR CJ Rejl TJ	I(AV) IFSM VF 0.55 IR CJ ROJL 20 TJ	I(AV) IFSM VF 0.55 IR CJ Rejl 20 TJ	I(AV) 3.0 IFSM 80 VF 0.55 0. IR 1.0 20 CJ 250 250 RØJL 20 -55 to +150	I(AV) 3.0 IFSM 80 VF 0.55 0.7 IR 1.0 20 CJ 250 250 Reul 20 1 TJ -55 to +150	I(AV) 3.0 IFSM 80 VF 0.55 0.7 0. IR 1.0 20 CJ 250 ROJL 20 10 TJ -55 to +150	I(AV) 3.0 IFSM 80 VF 0.55 0.7 0.85 IR 1.0 20 CJ 250 250 Reul 20 10 TJ -55 to +150

NOTES: 1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

- 2. Thermal resistance junction to lead,
- 3.The typical data above is for reference only(典型值仅供参考).

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