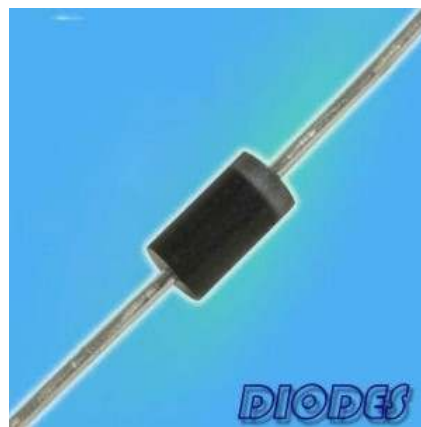




**SR320 SR340 SR350 SR360 SR380 SR3100 DO-27**



**Specifications**

3.0 AMPS Schottky Barrier Rectifiers SR320 SR340 SR350 SR360 SR380 SR3100 DO-27

**Maximum Ratings and Electrical Characteristics**

Rating at 25°C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

Type Number	Symbol	SR 320	SR 330	SR 340	SR 350	SR 360	SR 380	SR 310	Units
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	20	30	40	50	60	80	100	V
Maximum RMS Voltage	$V_{RMS}$	14	21	28	35	42	63	70	
Maximum DC Blocking Voltage	$V_{DC}$	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current	$I_{(AV)}$	3.0							A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method )	$I_{FSM}$	80							A
Maximum Instantaneous Forward Voltage @3.0A	$V_F$	0.55		0.70		0.85		V	
Maximum D.C. Reverse Current @ $T_A=25^\circ C$ at Rated DC Blocking Voltage @ $T_A=125^\circ C$	$I_R$	0.5			0.1		mA		
		10		5		2.0		mA	
Typical Junction Capacitance (Note 2)	$C_j$	200		130		72		pF	
Typical Thermal Resistance (Note 1)	$R_{\theta JA}$	50							$^\circ C/W$
	$R_{\theta JC}$	15							
Operating Junction Temperature Range	$T_J$	-65 to +125			-65 to +150			$^\circ C$	
Storage Temperature Range	$T_{STG}$	-65 to +150							$^\circ C$

- Notes: 1. Mount on Cu-Pad Size 16mm x 16mm on P.C.B.  
2. Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.