

SR320 – SR360

3.0A SCHOTTKY BARRIER RECTIFIER

Features

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- High Current Capability
- Low Power Loss, High Efficiency
- High Surge Current Capability
- For Use in Low Voltage, High Frequency Inverters, Free Wheeling, and Polarity Protection Applications



Mechanical Data

- Case: Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: Cathode Band
- Weight: 1.2 grams (approx.)
- Mounting Position: Any
- Marking: Type Number

DO-201AD Dim Min Max 25.4 Α 8.50 9.50 в С 1.20 1.30 D 5.0 5.60 All Dimensions in mm

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	SR320	SR330	SR340	SR350	SR360	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	20	30	40	50	60	V
RMS Reverse Voltage	VR(RMS)	14	21	28	35	42	V
Average Rectified Output Current (Note 1) $@T_L = 95^{\circ}C$	ю	3.0			А		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	80			A		
Forward Voltage $@I_F = 3.0A$	Vfm	0.50 0.74		74	V		
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	Iгм	0.5 20			mA		
Typical Junction Capacitance (Note 2)	Cj			250			pF
Typical Thermal Resistance Junction to Ambient	RθJA			20			K/W
Operating and Storage Temperature Range	Тј, Тѕтс	-65 to +150				°C	

Note: 1. Valid provided that leads are kept at ambient temperature at a distance of 9.5mm from the case.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.



Product No.*	Package Type	Shipping Quantity		
SR320-T3	DO-201AD	1200/Tape & Reel		
SR320-TB	DO-201AD	1200/Tape & Box		
SR320	DO-201AD	500 Units/Box		
SR330-T3	DO-201AD	1200/Tape & Reel		
SR330-TB	DO-201AD	1200/Tape & Box		
SR330	DO-201AD	500 Units/Box		
SR340-T3	DO-201AD	1200/Tape & Reel		
SR340-TB	DO-201AD	1200/Tape & Box		
SR340	DO-201AD	500 Units/Box		
SR350-T3	DO-201AD	1200/Tape & Reel		
SR350-TB	DO-201AD	1200/Tape & Box		
SR350	DO-201AD	500 Units/Box		
SR360-T3	DO-201AD	1200/Tape & Reel		
SR360-TB	DO-201AD	1200/Tape & Box		
SR360	DO-201AD	500 Units/Box		

ORDERING INFORMATION

Products listed in **bold** are WTE **Preferred** devices. *T3 suffix refers to a 13" reel. TB suffix refers to Ammo Pack.

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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