Kingtronics®

SR320 THRU SR3100

SCHOTTKY BARRIER RECTIFIER

REVERSE VOLTAGE 20 to 100 Volts **FORWARD CURRENT** 3.0 Ampere

FEATURES

Low forward voltage drop Low leakage current High forward surge capability High reliability

MECHANICAL DATA

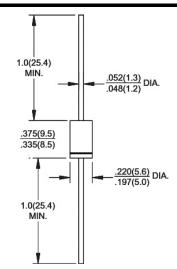
Case: DO-27, Mold plastic

Epoxy: UL94V-0 rate flame retardant Polarity: Indicated by cathode band

Lead:MIL-STD-202E, Method 208 guaranteed

Mounting position: Any

DO-201AD (DO-27)



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified , Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load derate current by 20%

Dimensions in inches and (millimeters)

PARAMETER		SYMBOL	SR 320	SR 330	SR 340	SR 350	SR 360	SR 380	SR 3100	UNIT
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	20	30	40	50	60	80	100	VOLTS
Maximum RMS Voltage		V _{RMS}	14	21	28	35	42	56	70	VOLTS
Maximum DC Blocking Voltage		V _{DC}	20	30	40	50	60	80	100	VOLTS
Maximum Average Forward Rectified Current		I _(AV)	3.0							Amps
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	80						Amps	
Maximum instantaneous forward voltage at 3.0A		V_{F}		0.55		0.	70	0.	.85	VOLTS
Maximum DC Reverse Current	T _A = 25℃	I ₌	1.0						- mA	
at Rated DC blocking voltage	T _A = 100°C	I R	20							
Typical Junction Capacitance (NOTE 1)		Cı	250							pF
Typical Thermal Resistance (NOTE 2)		Rеja	20							°CM
Operating temperature range		TJ	-55 to +125							°C
Storage temperature range		Тѕтс	-55 to +150							$^{\circ}$

- 1- Measured at 1.0MHz and applied reverse voltage of 4.0 Volts.
- 2-Thermal Resistance from Junction to Ambient at. 375" (9.5mm)lead length, P.C. board mounted.

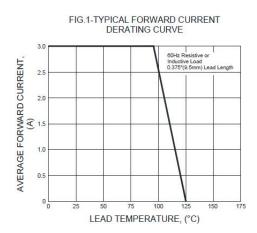
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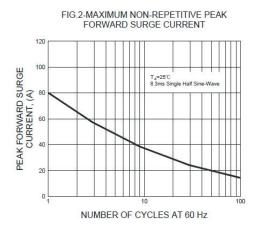
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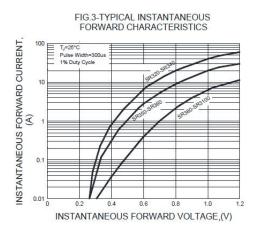
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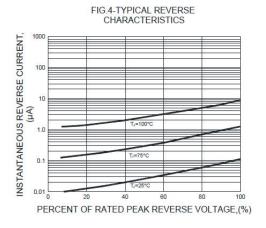
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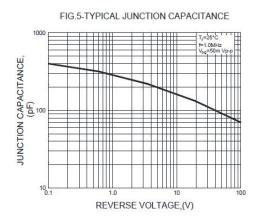
RATINGS AND CHARACTERISTIC CURVES











Note: Specifications are subject to change without notice.

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