

Features

High reliability

Mechanical Data

Weight: 1.1 grams

Cases: Molded plastic

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COMPLIANCE

Low power loss, high efficiency.

High current capability, Low VF.

High surge current capability.

Guard-ring for transient protection.

code and Prefix "G" on date code.

STD-202, Method 208 guaranteed

For capacitive load, derate current by 20%

Epoxy: UL 94V-O rate flame retardant

Polarity: Color band denotes cathode.

Epitaxial construction.

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For use in low voltage, high frequency inventor, free wheeling, and polarity protection application.

Lead: Pure tin plated, lead free, solderable per MIL-

/.375",(9.5mm) lead lengths at 5 lbs., (2.3kg) tension

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

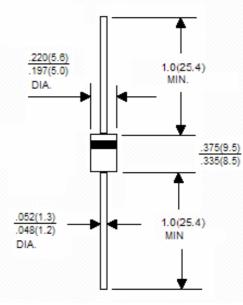
High temperature soldering guaranteed: 260 °C/10 seconds

Maximum Ratings and Electrical Characteristics

Green compound with suffix "G" on packing

SR302 - SR320

3.0 AMPS. Schottky Barrier Rectifiers **DO-201AD**



Dimensions in inches and (millimeters)

Marking Diagram

Y



SR30X = Specific Device Code = Green Compound G

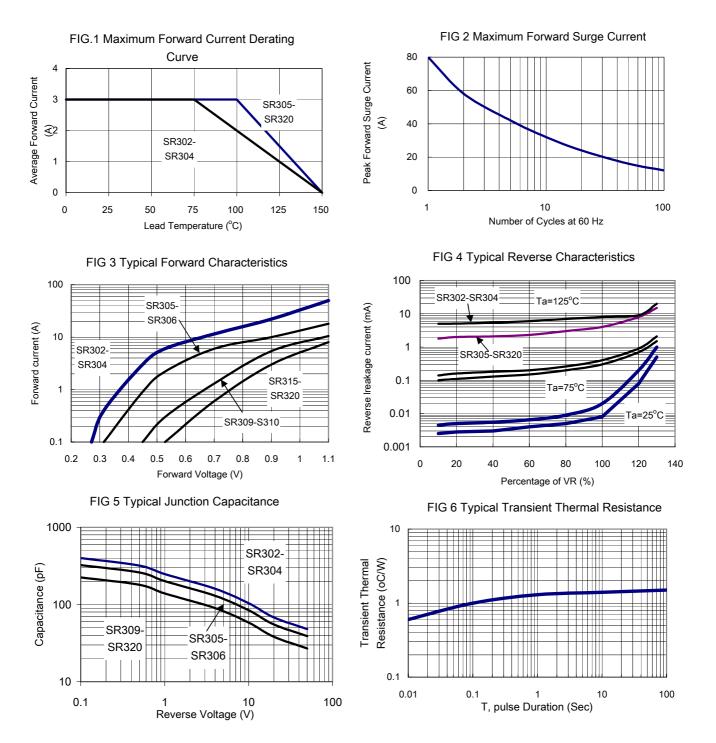
= Year ww = Work Week

Type Number	Symbol	SR 302	SR 303	SR 304	SR 305	SR 306	SR 309	SR 310	SR 315	SR 320	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	90	100	150	200	V
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	63	70	105	140	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	90	100	150	200	V
Maximum Average Forward Rectified Current Refer to Fig 1	I _(AV)	3.0									А
Peak Forward Surge Current, 8.3 ms Single Half Sine- wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	80								А	
Maximum Instantaneous Forward Voltage @ 3.0A	V _F	0.55		0	.7	0.	85	0.	95	V	
Maximum DC Reverse Current @ T _A =25℃ at Rated DC Blocking Voltage @ T _A =125℃	I _R	0.5 0.5 0.1 10 5 2.0						mA			
Typical Junction Capacitance (Note 2)	Cj	160 130 90							pF		
Typical Thermal Resistance (Note 1)	Rθ _{JA} Rθ _{JC}	50 15									^o C/W
Operating Temperature Range	TJ	-65 to +150									°C
Storage Temperature Range	T _{STG}	-65 to +150								°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 4.0 V D.C.





RATINGS AND CHARACTERISTIC CURVES (SR302 - SR320)