SR22 THRU R210

2 A Surface Mount Schottky Barrier Rectifiers

Voltage Range 20 to 100 Volts
Current 2.0 Amperes

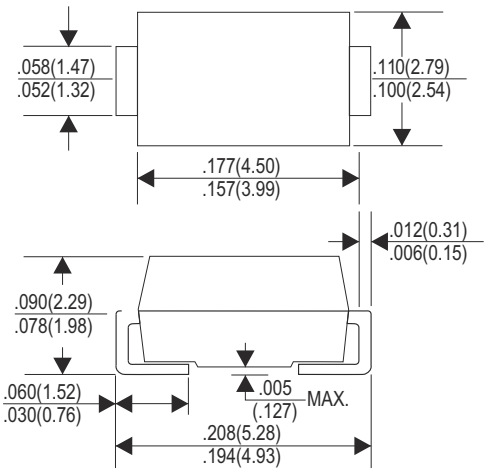
Features

* Ideal for surface mount applications
* Easy pick and place
* Built-in strain relief
* Low forward voltage drop

Mechanical Data

* Case: Molded plastic
* Epoxy: UL 94V-0 rate flame retardant
* Metallurgically bonded construction
* Polarity:Indicated by cathade band
* Mounting position: Any
* Weight: 0.064 grams

DO-214AC(SMA)



Dimensions in inches and (millimeters)

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	SR22	SR23	SR24	SR25	SR26	SR28	SR29	R210	UNITS
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current SeeFige. 1	2.0								A
Peak Forward Surge Current, 8.3 ms single Half Sine-wavesuperimposed on rated load (JEDEC method)	50								A
Maximum Instantaneous Forward Voltage At 2.0A	0.55			0.70		0.85			V
Maximum DC Reverse Current T_A=25°C	1.0								mA
At Rated DC Blocking Voltage T_A=100°C	20								mA
Typical Junction Capacitance (Note1)	170								pF
Typical Thermal Resistance RθJA (Note 2)	75								°C/W
Operating Temperature Range T_J	-50~+125								°C
Storage Temperature Range T_{STG}	-65~+150								°C

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance Junction to Ambient.

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RATING AND CHARACTERISTIC CURVES (SR22 THRU R210)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

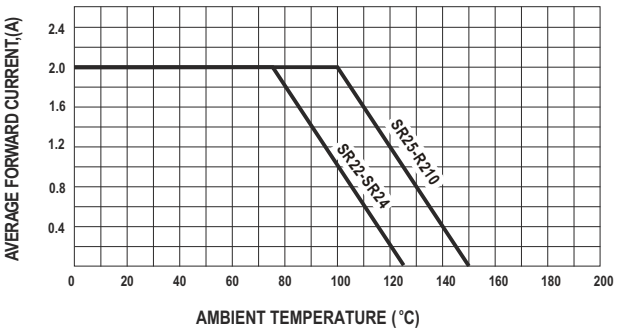


FIG.2-TYPICAL FORWARDCHARACTERISTICS

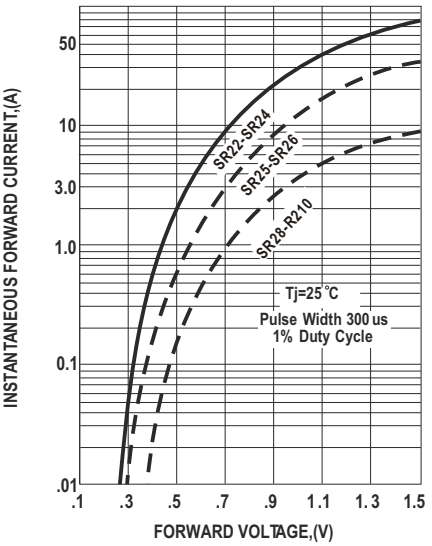


FIG.3-MAXIMUM NON-REPETITIVE FORWARDSURGE CURRENT

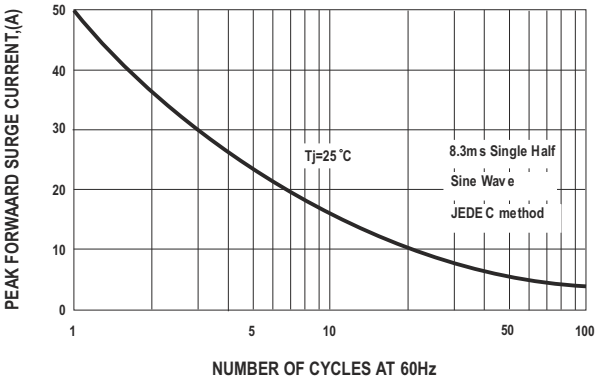


FIG.5 - TYPICAL REVERSECHARACTERISTICS

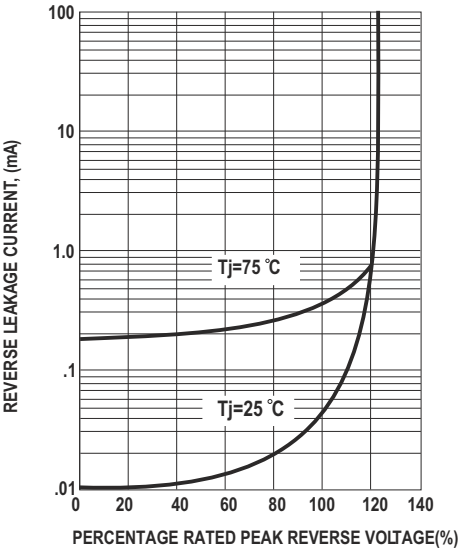
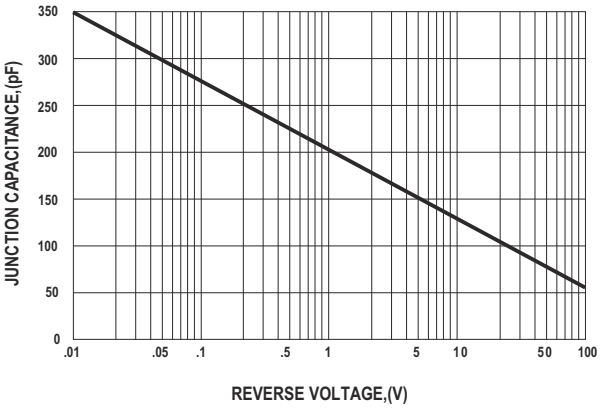


FIG.4-TYPICAL JUNCTION CAPACITANCE



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