SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

SS22A - SS210A

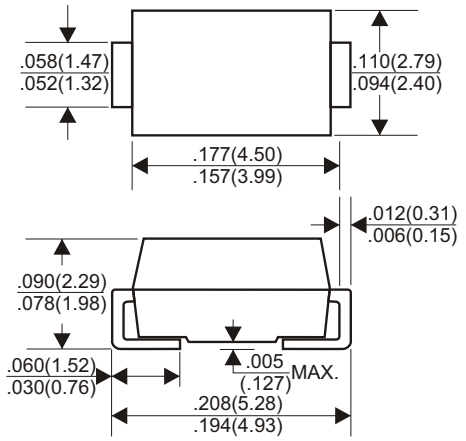
FEATURES

* 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: Color band denotes cathode end
* Mounting position: Any
* Weight: 0.063 grams

DO-214AC(SMA)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25 C ambient temperature uniess otherwies specified.Single phase half wave, 60Hz, resistive or inductive load.For capacitive load, derate current by 20%.

TYPE NUMBER	SS22A	SS23A	SS24A	SS25A	SS26A	SS28A	SS29A	SS210A	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 See Fig. 1	2.0								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed 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 Ta=25°C	0.1					0.02			mA
at Rated DC Blocking Voltage Ta=100°C	5					2			mA
Typical Junction Capacitance (Note1)	170								pF
Typical Thermal Resistance R JA (Note 2)	75								°C/W
Operating Temperature Range TJ	-65 — +150								°C
Storage Temperature Range TSTG	-65 — +150								°C

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

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

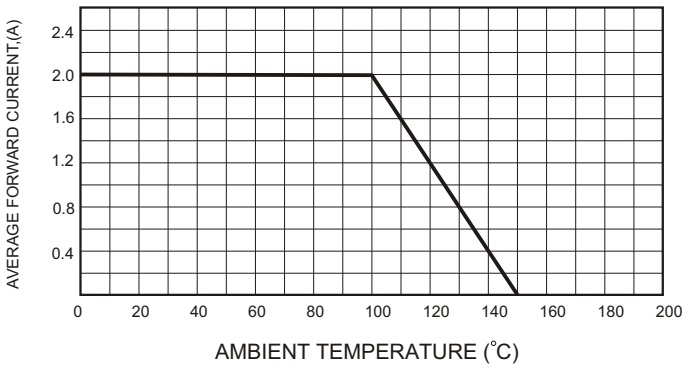


FIG.2-TYPICAL FORWARD CHARACTERISTICS

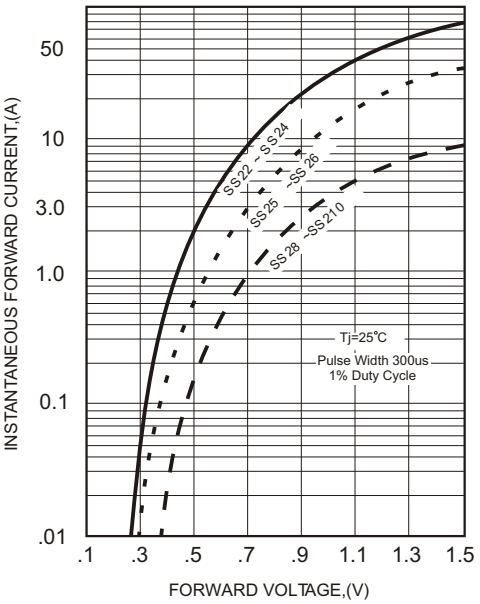


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

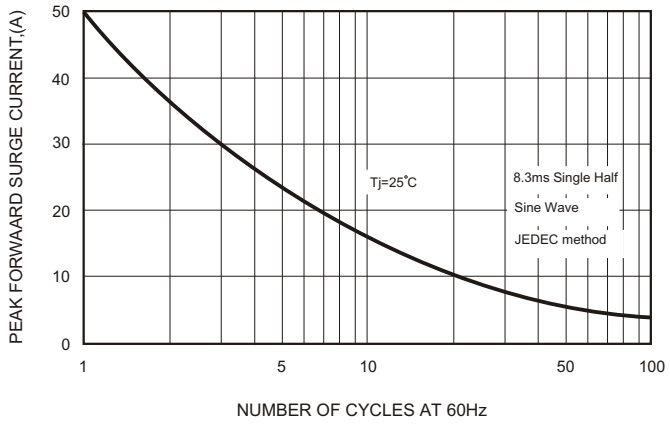


FIG.4-TYPICAL JUNCTION CAPACITANCE

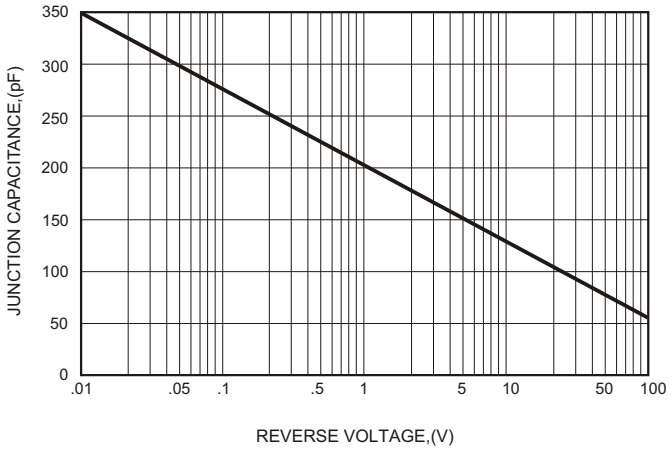


FIG.5 - TYPICAL REVERSE CHARACTERISTICS