SS115L

1.0AMPS. SCHOTTKY BARRIER RECTIFIERS

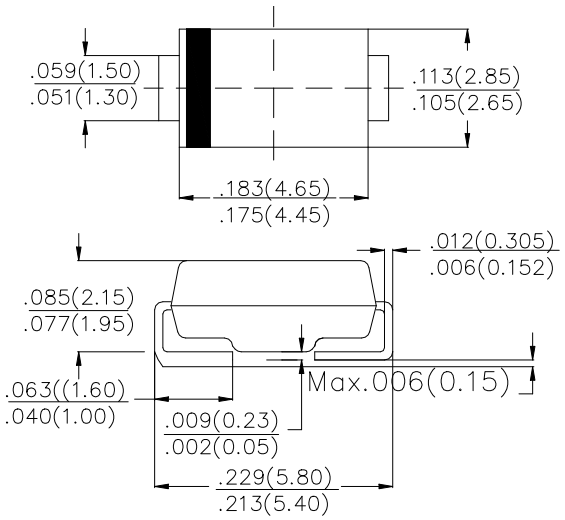
FEATURE

. For surface mounted application
. High current capability
. Low forward voltage drop
. Low power loss, high efficiency
. High surge current capability
. High temperature soldering guaranteed:
260℃/10 seconds at terminals.

MECHANICAL DATA

. Terminal: Solder plated
. Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy
. Polarity: color band denotes cathode
. Packaging:12mm tape per EIA STD RS-481

SMA(DO-214AC)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%

Type Number	SYMBOL	SS115L	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	150	V
Maximum RMS Voltage	V_{RMS}	105	V
Maximum DC blocking Voltage	V_{DC}	150	V
Maximum Average Forward Rectified Current at T_L=100°C	$I_{F(AV)}$	1.0	A
Peak Forward Surge Current 8.3ms single half sine- wave superimposed on rated load (JEDEC method)	I_{FSM}	30.0	A
Maximum Forward Voltage at 2.0A DC	V_F	0.8	V
Maximum DC Reverse Current @T_A =25°C	I_R	0.1	mA
at rated DC blocking voltage @T_A =100°C		10.0	
Typical Junction Capacitance (Note1)	C_J	55	pF
Typical Thermal Resistance (Note 2)	$R_{(JA)}$	75	℃/W
	$R_{(JC)}$	22	
Storage Temperature	T_{STG}	-55 to +150	°C
Operation Junction Temperature	T_J	-55 to +150	°C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
2. Measured on P.C.Board with 0.6×0.6”(15.0×15.0mm)Copper Pad Areas.

RATING AND CHARACTERISTIC CURVES (SS115L)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

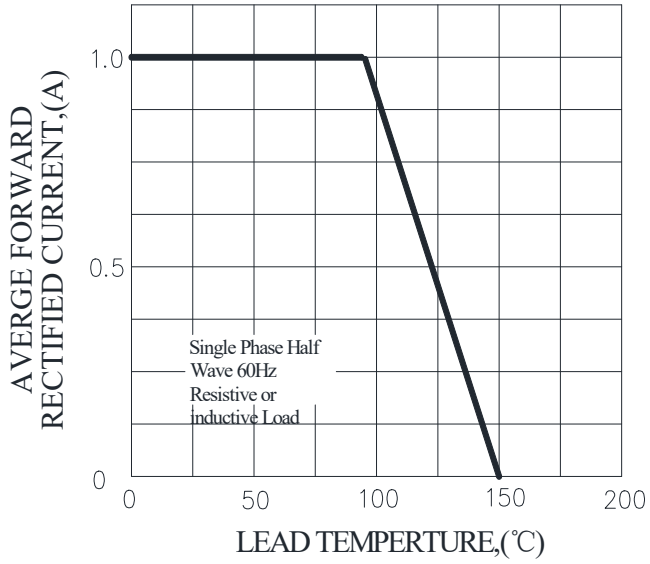


FIG.2-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

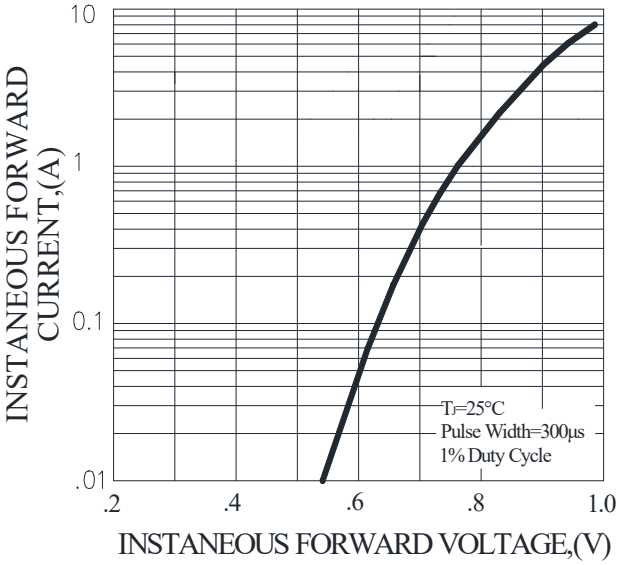


FIG.3-MAXIMUN NON-REPETITIVE FORWARD SURGE CURRENT

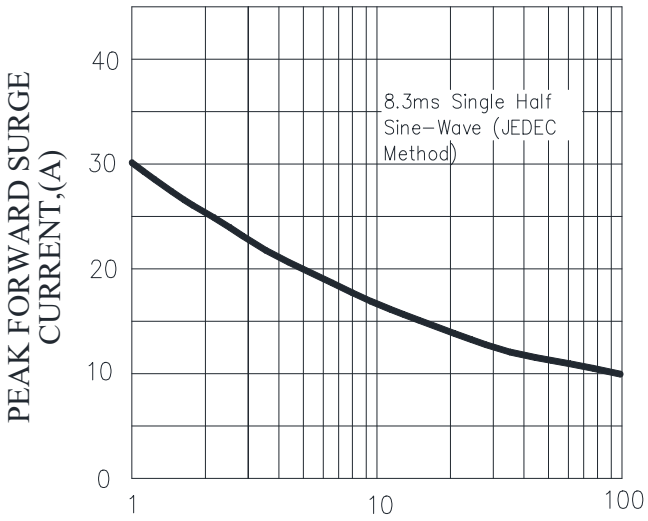


FIG.4-TYPICAL REVERSE CHARACTERISTICS