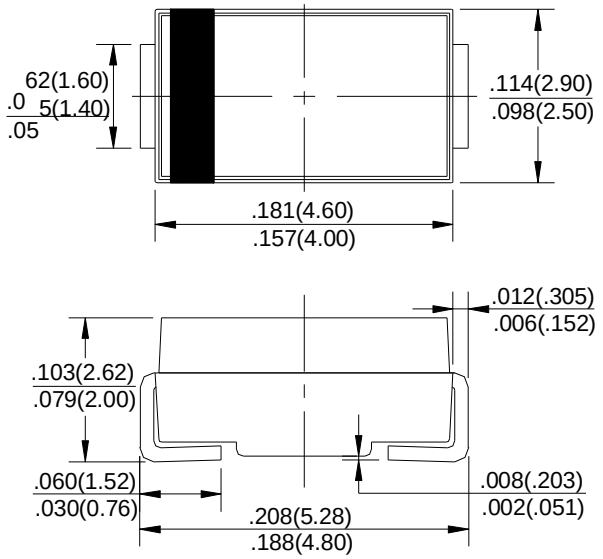
CURRENT 3.0 Ampere
VOLTAGE RANG 40 to 200 Volts

SS34L THRU SS320L

DO-214AC (SMA)



Dimensions in inches and (millimeters)

Features

- Low profile package
- Ideal for automated placement
- Ultrafast reverse recovery time
- Low power losses, high efficiency
- Low forward voltage drop
- High surge capability
- High temperature soldering：
  260℃/10 seconds at terminals
- Component in accordance to
  RoHS 2002/95/1 and WEEE 2002/96/EC

Mechanical Date

- **Case:** JEDEC DO-214AC (SMA) molded plastic
- **Terminals:** Solder plated, solderable per J-STD-002B and JESD22-B102D
- **Polarity:** Laser band denotes cathode end

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 current derate by 20%.

Type Number	SYMBOL	SS 34L	SS36L	SS38L	SS310L	SS315L	SS320L	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	60	80	100	150	200	V
Maximum RMS Voltage	V_{RMS}	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V_{DC}	40	60	80	100	150	200	V
Average Rectified Output Current @T_L =90℃	$I_{F(AV)}$	3.0						A
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	80						A
Forward Voltage @IF=3.0A (Note 1)	V_{FM}	0.45	0.5	0.6		0.85		V
Peak Reverse Current @T_A =25℃	I_R	0.2		0.1				mA
At Rated DC Blocking Voltage @T_A =100℃		10		5				mA
I^2t Rating for fusing (t <8.3ms)	I^2t	26.56						A^2s
Typical Junction Capacitance (Note 2)	C_J	250						pF
Typical Thermal Resistance per leg (Note 3)	$R_{\theta JA}$	75						℃/W
Operating Temperature Range	T_J	-55 to+150						℃
Storage Temperature Range	T_{STG}	-55 to +150						℃

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

CURRENT 3.0 Ampere
VOLTAGE RANG 40 to 200 Volts

SS34L THRU SS320L

Characteristic Curves (T_A=25 ℃ unless otherwise noted)

Fig. 1 Forward Current Derating Curve

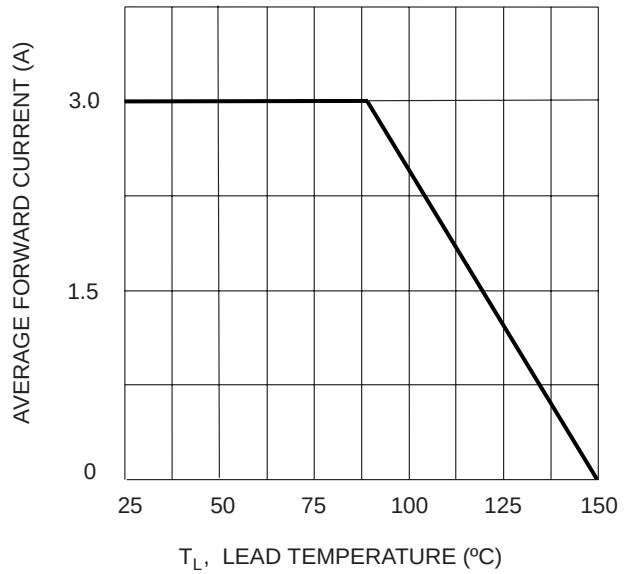


Fig. 2 Typ. Forward Characteristics

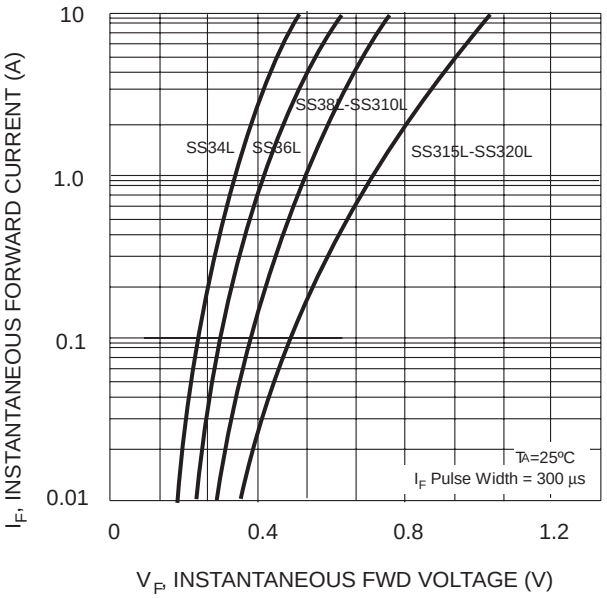


Fig. 3 Max Non-Repetitive Peak Fwd Surge Current

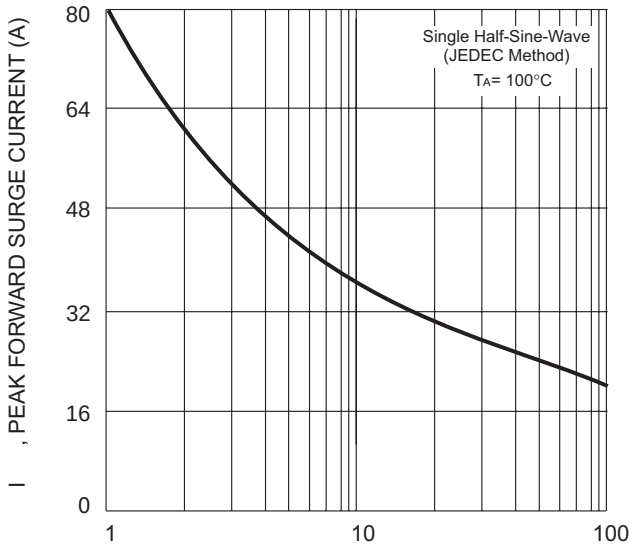
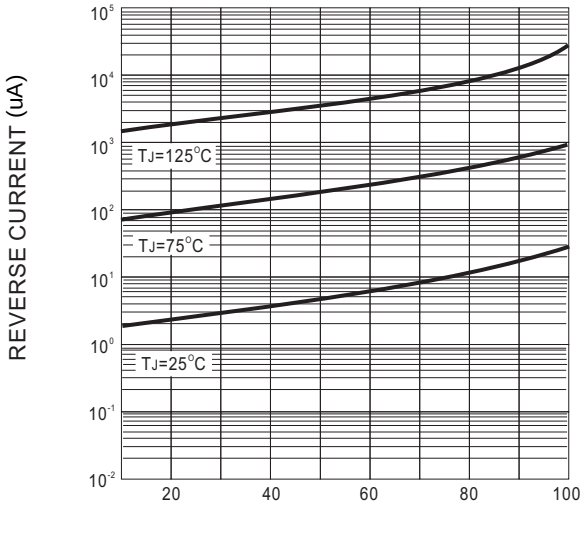


FIG.4TYPICALREVERSE CHRACTERISTIC



SMA PAD LAYOUT