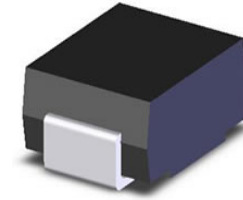


Features

- Low reverse leakage
- High forward surge capability
- High reliability
- High temperature soldering guaranteed:
260°C/10seconds
- Lead and body according with RoHS standard
- Green compound with suffix "-F" on Marking



DO-214AA/SMB

Mechanical Data

- Case:DO-214AA Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free

Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

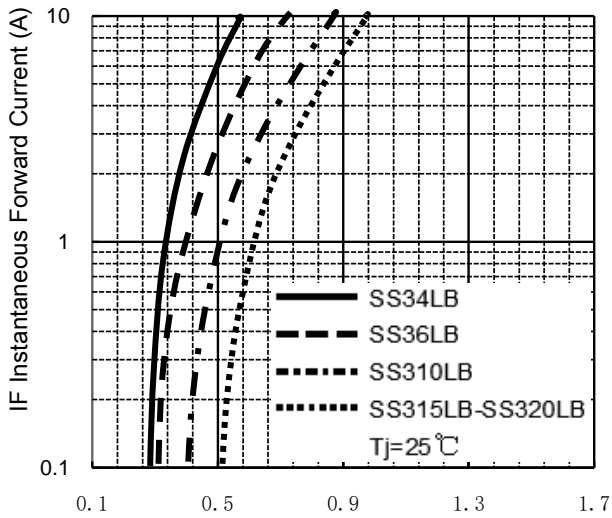
Parameter	Symbols	SS34LB	SS36LB	SS310LB	SS315LB	SS320LB	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	40	60	100	150	200	V
Maximum RMS voltage	V_{RMS}	28	42	70	105	140	V
Maximum DC blocking voltage	V_{DC}	40	60	100	150	200	V
Maximum average forward rectified current	$I_{F(AV)}$	3.0					A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	100					A
@ $I_F=3.0A$ Maximum forward voltage	V_F	0.47	0.55	0.75	0.85		V
@ V_{DC} Maximum reverse current	I_R	1000		100			μA
$T_A=25^{\circ}C$		20		10			mA
Typical thermal resistance (Note 1)	R θ JA	105					$^{\circ}C/W$
	R θ JL	20					
VR=4.0V,f=1MHz Type junction capacitance	C_j	180					pF
Operating junction	T_j	-55 --- +125			-55 --- +150		$^{\circ}C$
Storage temperature rang	TSTG	-55 --- +150					$^{\circ}C$

Note:

1) Thermal resistance from junction to ambient , PCB mounted.

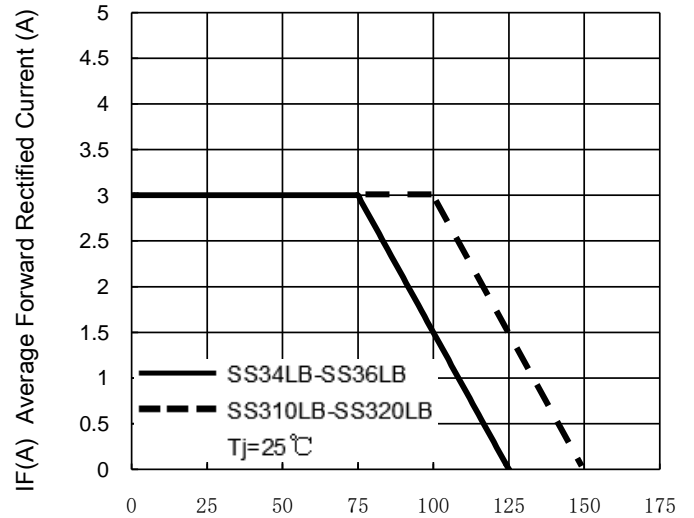
Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



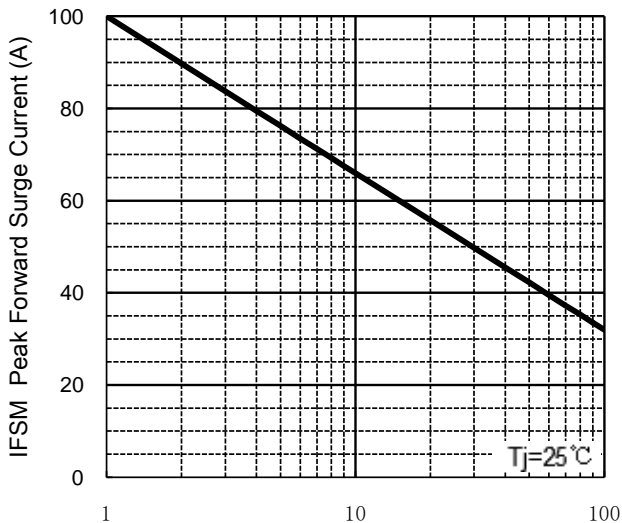
VF Instantaneous Forward Voltage (V)

FORWARD CURRENT DERATING CURVE



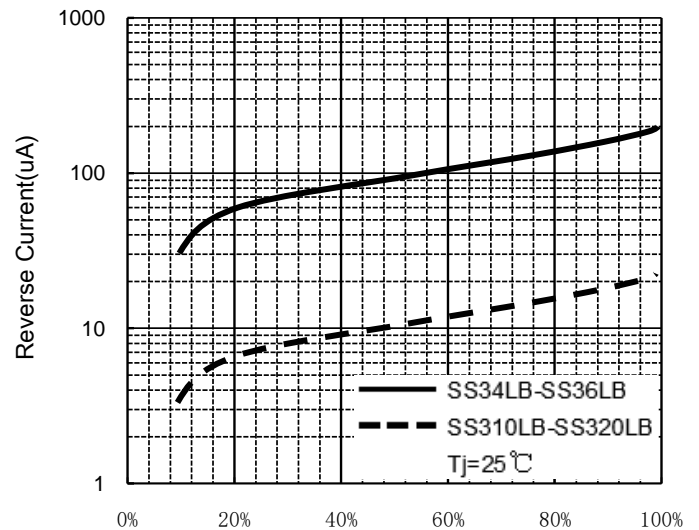
T_L, Lead temperature (°C)

MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



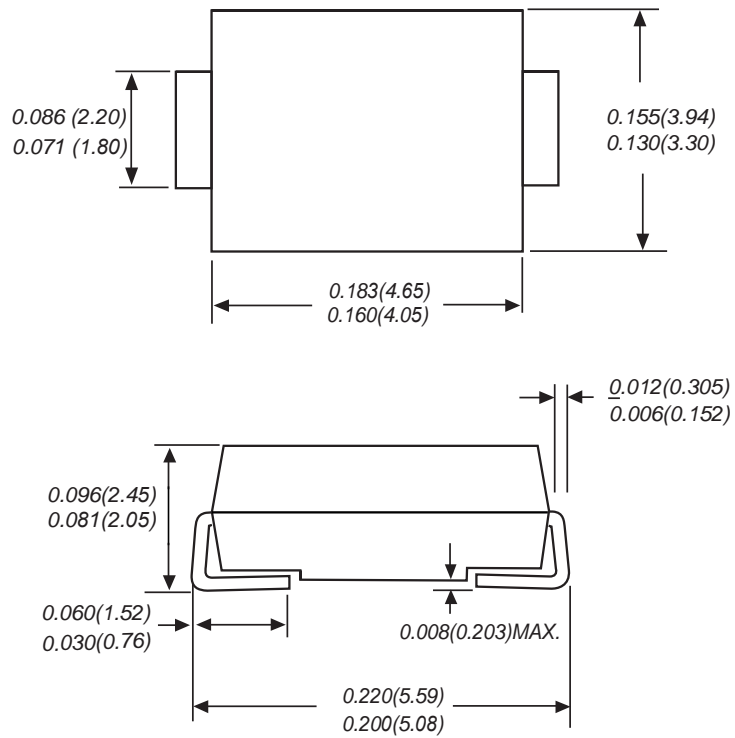
Number of Cycles at 60 Hz.

Typical Reverse Characteristics



Percent Of Rated Peak Reverse voltage %

Package Outline



Dimensions in inches and (millimeters)

Package Information

Qty: 3,000/Tape and reel