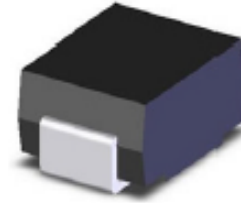


Features

- 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.

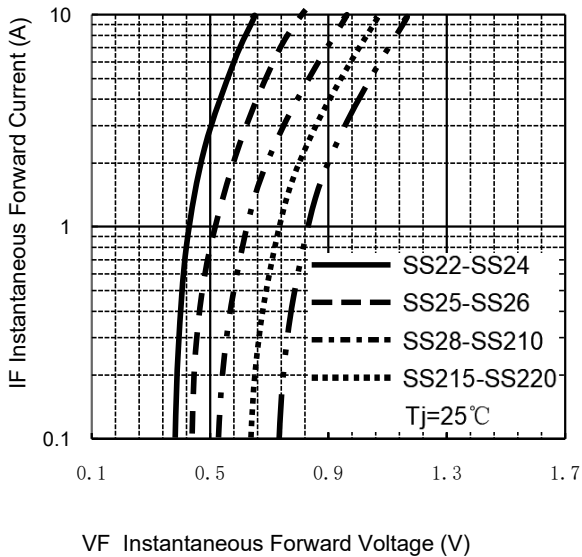
Parameter	Symbols	SS22	SS23	SS24	SS25	SS26	SS28	SS210	SS215	SS220	Unit	
Maximum repetitive peak reverse voltage	V_{RRM}	20	30	40	50	60	80	100	150	200	V	
Maximum RMS voltage	V_{RMS}	14	21	28	35	42	56	70	105	140	V	
Maximum DC blocking voltage	V_{DC}	20	30	40	50	60	80	100	150	200	V	
Maximum average forward rectified current	$I_{F(AV)}$	2.0									A	
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	50									A	
@ $I_F=2.0A$ Maximum forward voltage	V_F	0.55			0.70		0.85		0.92	0.95	V	
@ V_{DC} Maximum reverse current	I_R	0.5					0.1					mA
$TA=25^{\circ}C$		50					10					
Typical thermal resistance (Note 1)	$R_{\theta JA}$	85									°C/W	
	$R_{\theta JL}$	25										
VR=4.0V,f=1MHz Type junction capacitance	C_J	180									pF	
Operating junction	T_J	-55 --- +125					-55 --- +150					°C
Storage temperature rang	T_{STG}	-55 --- +150									°C	

Note:

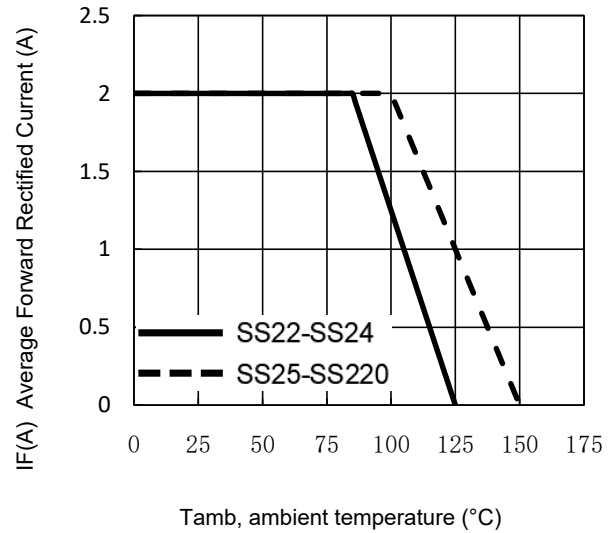
1) Thermal resistance from junction to ambient , PCB mounted.

Characteristic Curves

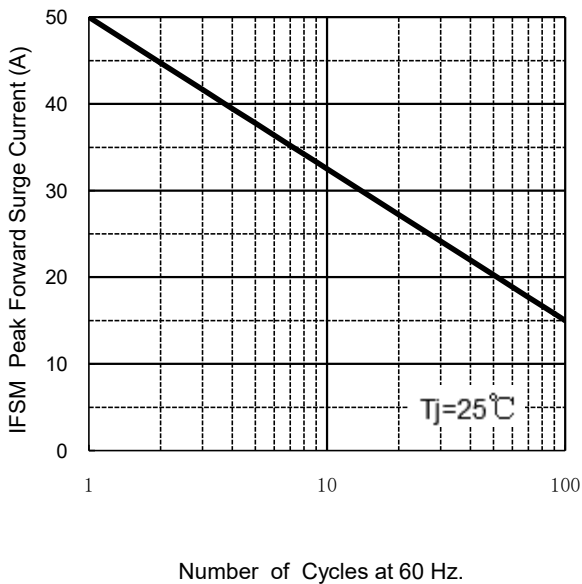
TYPICAL FORWARD CHARACTERISTIC



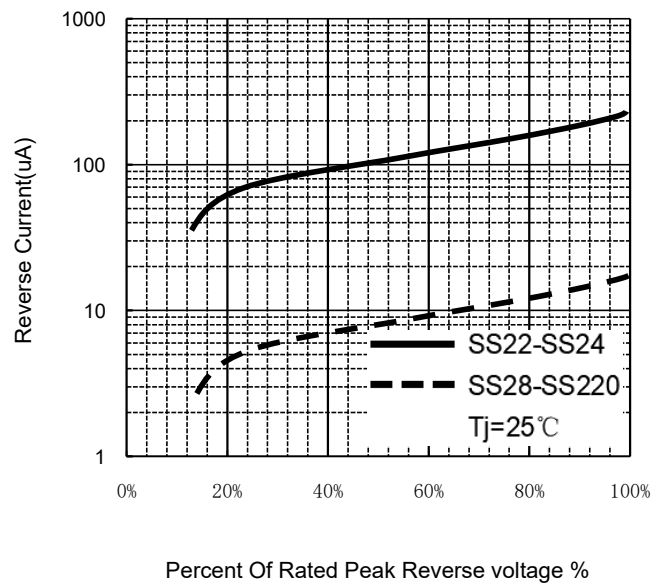
FORWARD CURRENT DERATING CURVE



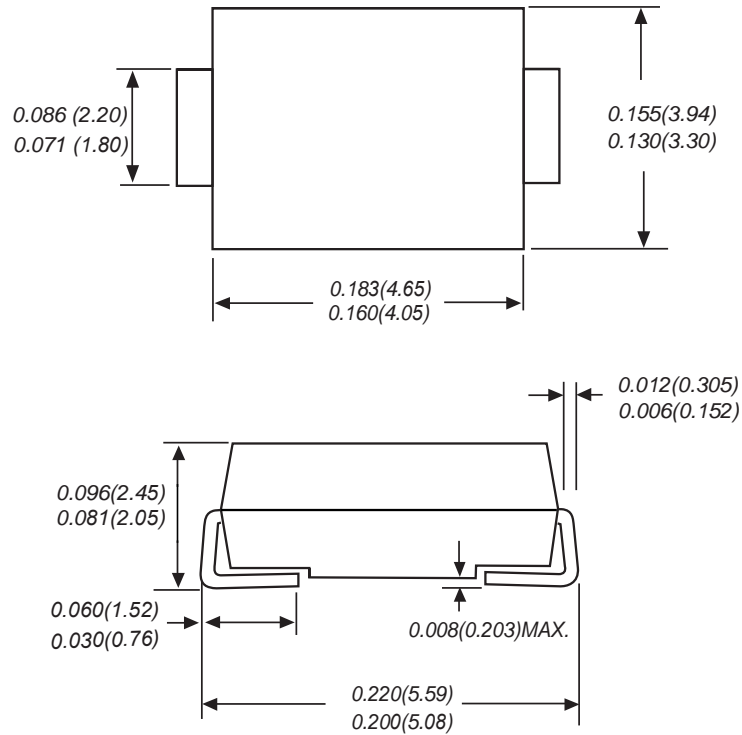
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



Typical Reverse Characteristics



Package Outline



Dimensions in inches and (millimeters)

Package Information

Qty: 3,000/Tape and reel