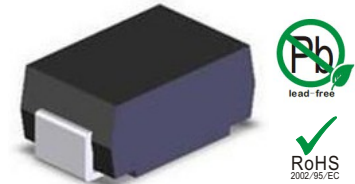


Features

- 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-214AC/SMA

Mechanical Data

- Case:DO-214AC 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.

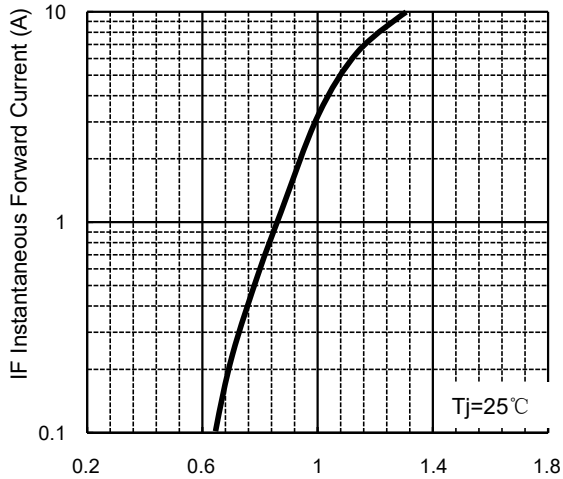
Parameter	Symbols	S3AA	S3BA	S3DA	S3GA	S3JA	S3KA	S3MA	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	3.0							A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	80							A
@ $I_F=3.0A$ Maximum forward voltage	V_F	1.1							V
Maximum reverse current	I_R	$T_A= 25^{\circ}C$							μA
		$T_A= 125^{\circ}C$							
Typical thermal resistance (Note 1)	$R_{\theta JA}$	85							$^{\circ}C/W$
VR=4.0V,f=1MHz Type junction capacitance	C_J	40							pF
Operating junction	T_J	-55 --- +150							$^{\circ}C$
Storage temperature rang	T_{STG}	-55 --- +150							$^{\circ}C$

Note:

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

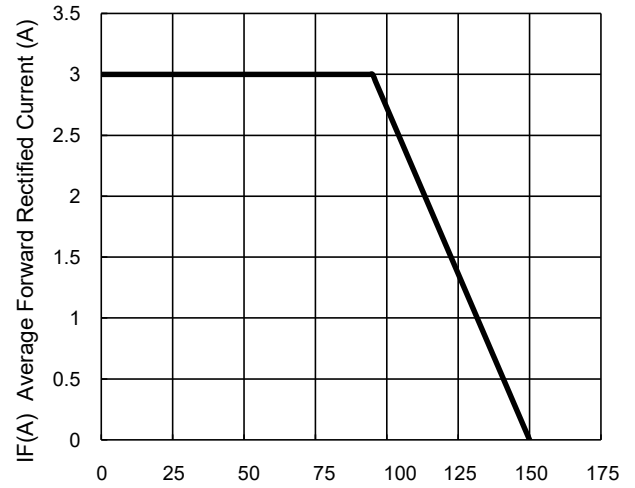
Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



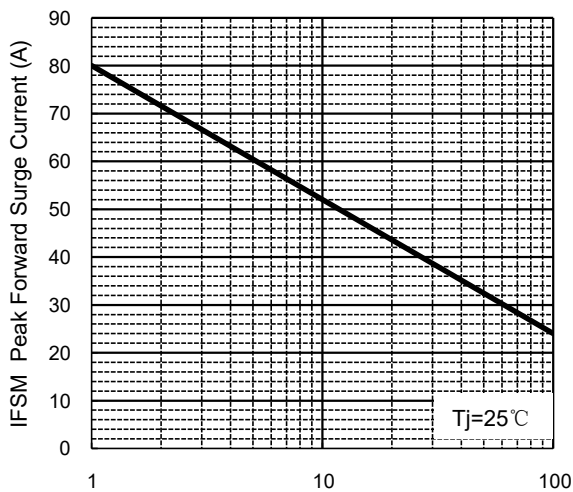
VF Instantaneous Forward Voltage (V)

FORWARD CURRENT DERATING CURVE



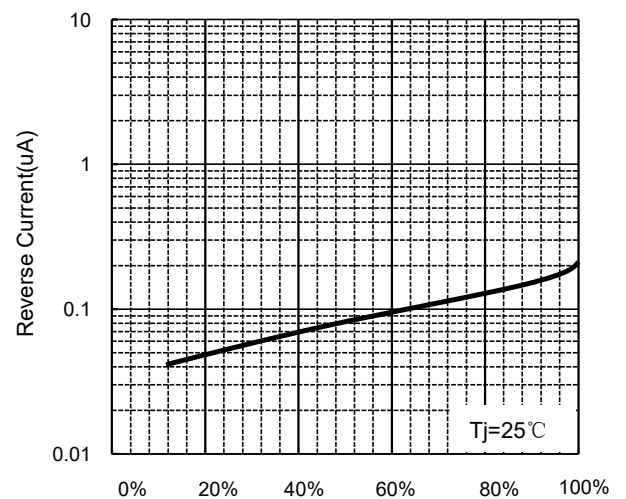
Tamb, ambient temperature (°C)

MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



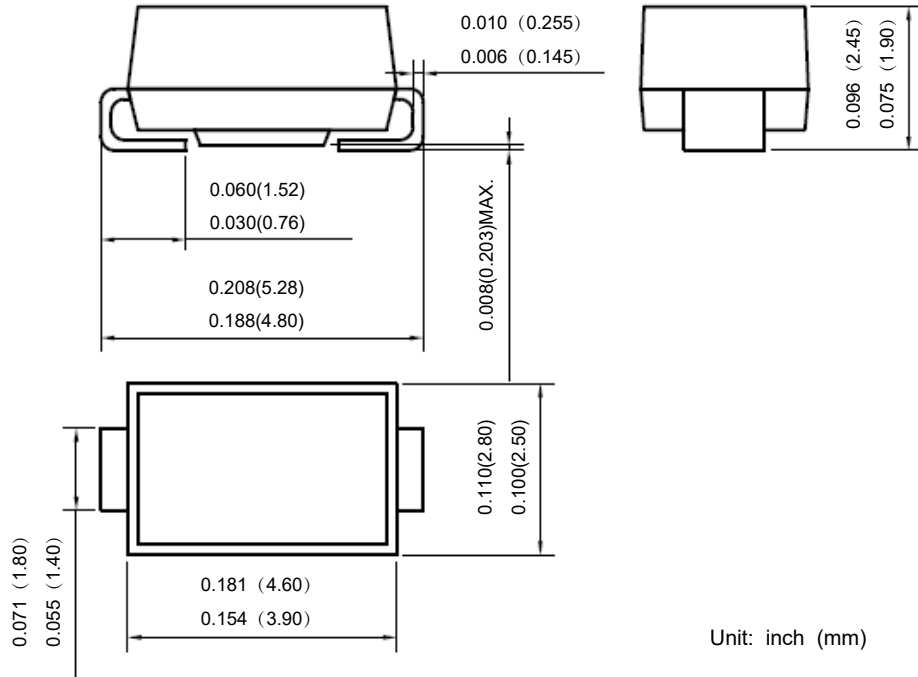
Number of Cycles at 60 Hz.

TYPICAL REVERSE CHARACTERISTICS



Percent Of Rated Peak Reverse voltage %

Package Outline



Package Information

Qty: 5,000/Tape and reel