

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-214AB/SMC

Mechanical Data

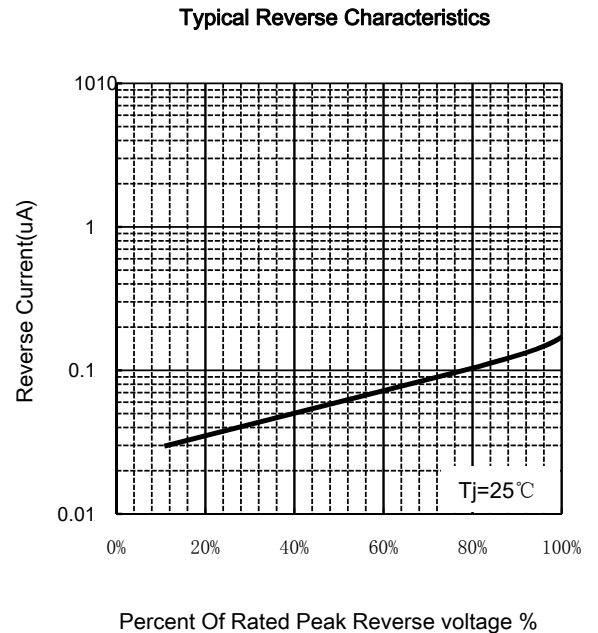
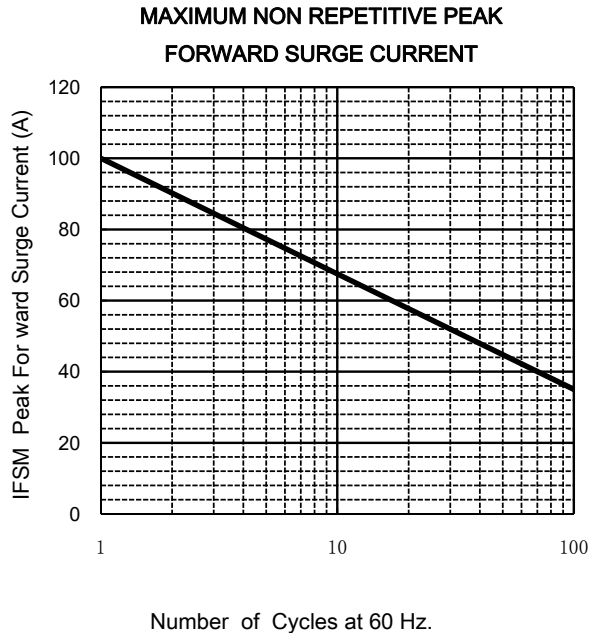
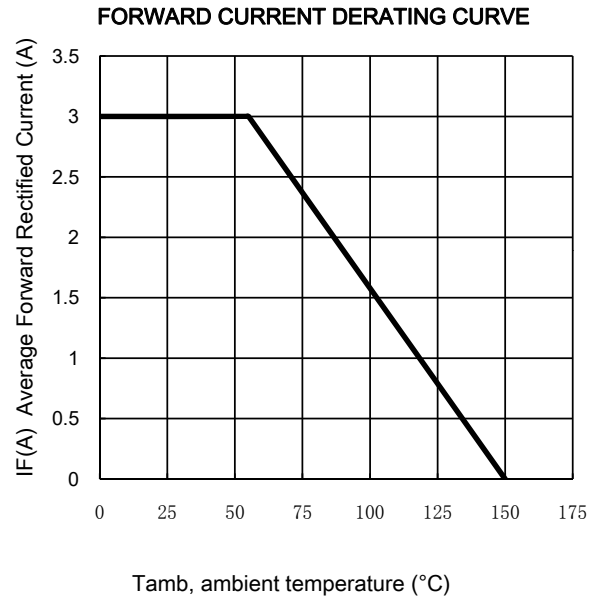
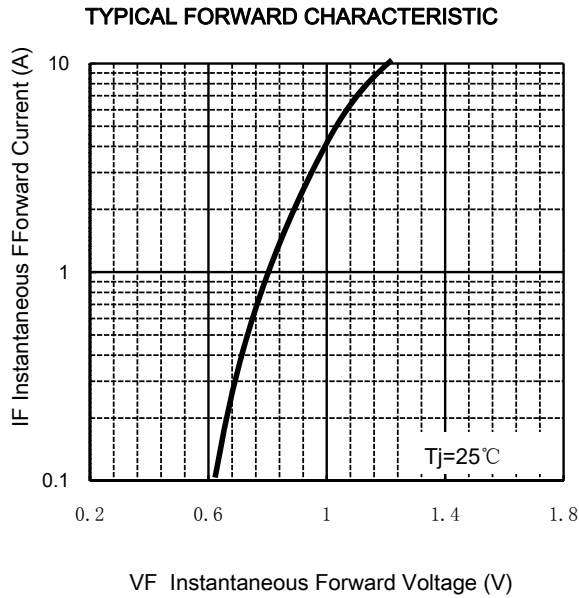
- Case:DO-214AB Molded plastic
- Epoxy: UL 94V-0 rate flame retardant
- Lead: Pure tin plated, lead free

Maximum Ratings & Characteristics

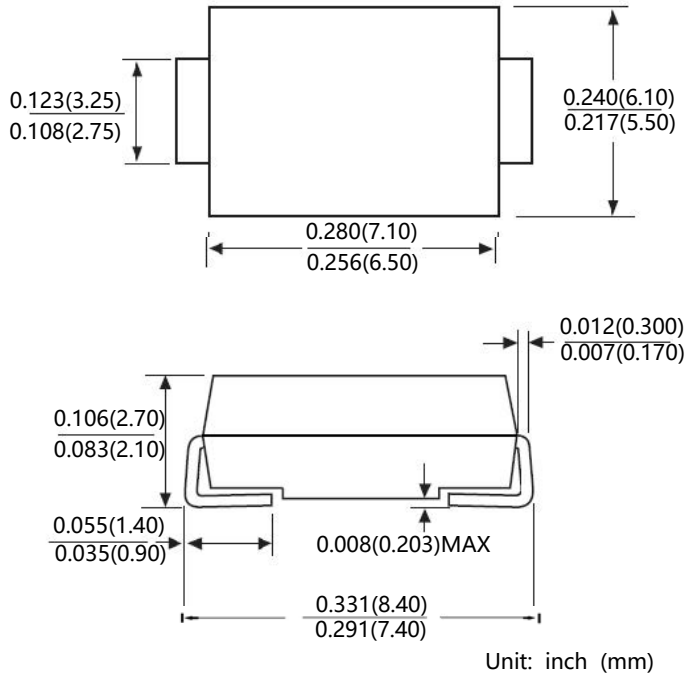
Ratings at 25°C ambient temperature unless otherwise specified.

Parameter	Symbols	S3A	S3B	S3D	S3G	S3J	S3K	S3M	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}	100							A
@ $I_F=3.0A$ Maximum forward voltage	V_F	1.1							V
@ V_{DC} Maximum reverse current	I_R	5							μA
$T_A=25^{\circ}C$		100							
$T_A=125^{\circ}C$									
Typical thermal resistance (Note 1)	$R_{\theta JA}$	47							$^{\circ}C/W$
$V_R=4.0V, f=1MHz$ Type junction capacitance	C_j	70							pF
Operating junction and storage temperature rang	T_j, T_{STG}	-55 --- +150							$^{\circ}C$

Characteristic Curves



Package Outline



Package Information

Qty: 3,000/Tape and reel