

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.

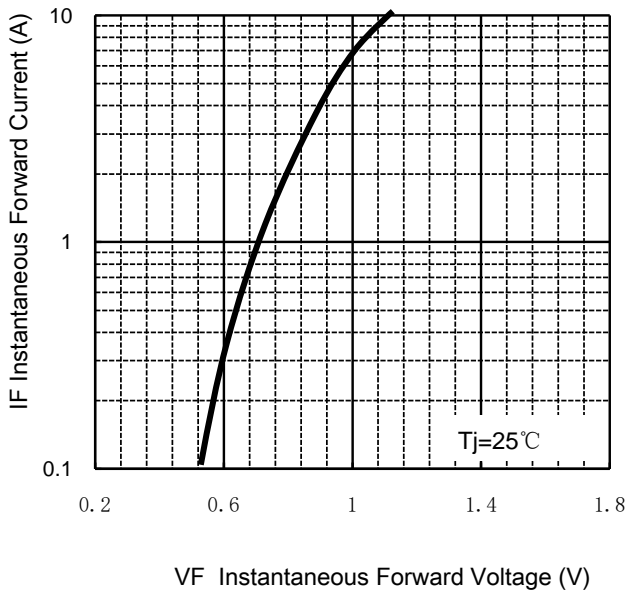
Parameter	Symbols	S5A	S5B	S5D	S5G	S5J	S5K	S5M	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	5.0							A
Non-repetitive peak forward surge current 8.3 ms singlehalf sine-wave	I_{FSM}	150							A
@ $I_F=5.0A$ Maximum forward voltage	V_F	1.1							V
@ V_{DC} Maximum reverse current	I_R	5							μA
		100							
Typical thermal resistance (Note 1)	$R_{\theta JA}$	47							°C/W
VR=4.0V,f=1MHz Type junction capacitance	C_J	65							pF
Operating junction and storage temperature rang	T_J, T_{STG}	-55 --- +150							°C

Note:

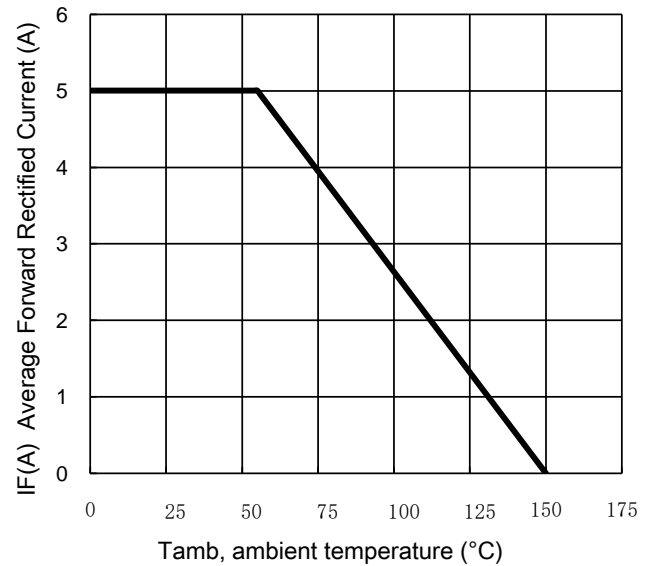
- 1) Thermal resistance from junction to ambient , PCB mounted.

Characteristic Curves

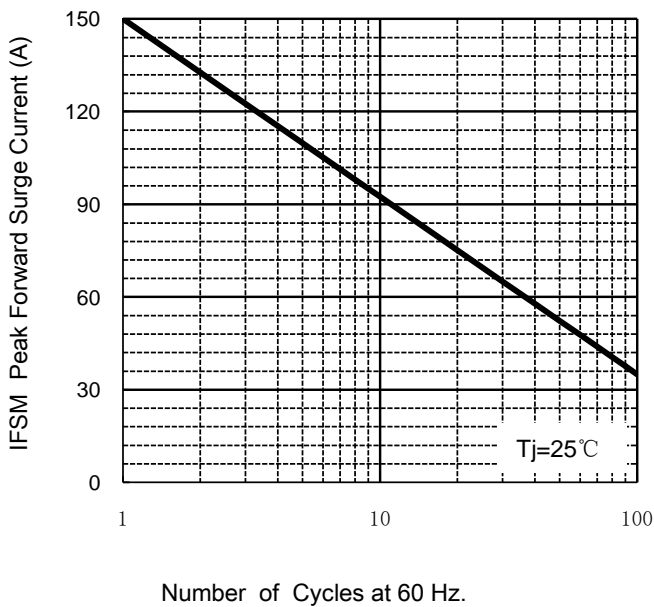
TYPICAL FORWARD CHARACTERISTIC



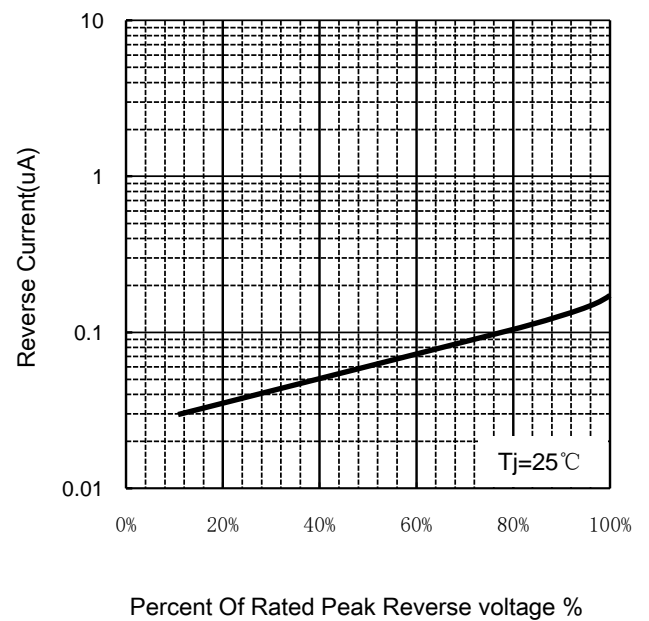
FORWARD CURRENT DERATING CURVE



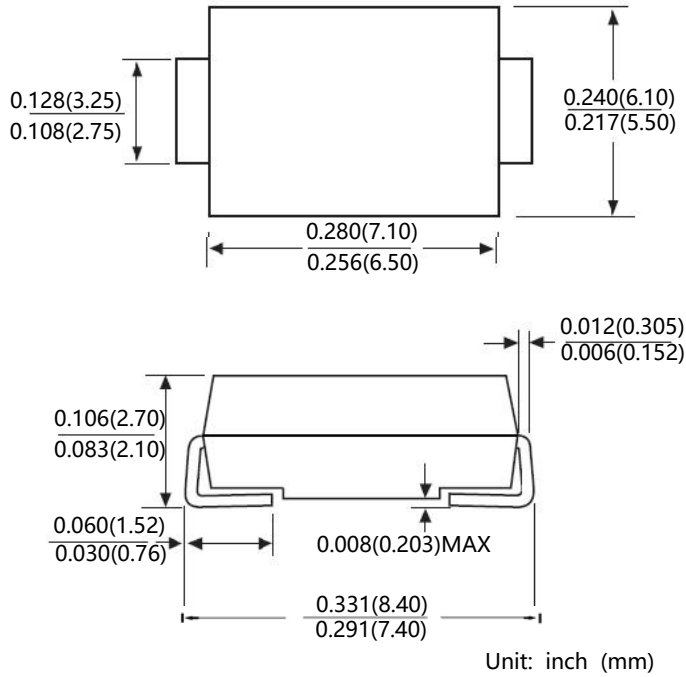
MAXIMUM NON REPETITIVE PEAK FORWARD SURGE CURRENT



Typical Reverse Characteristics



Package Outline



Package Information

Qty: 3,000/Tape and reel

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