

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

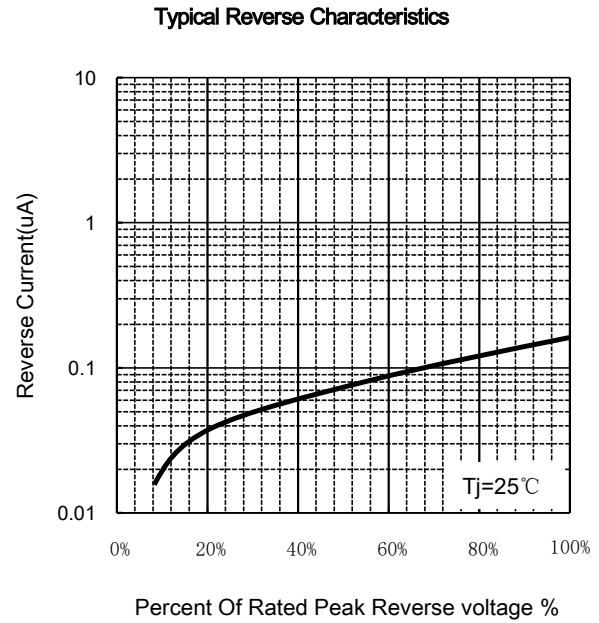
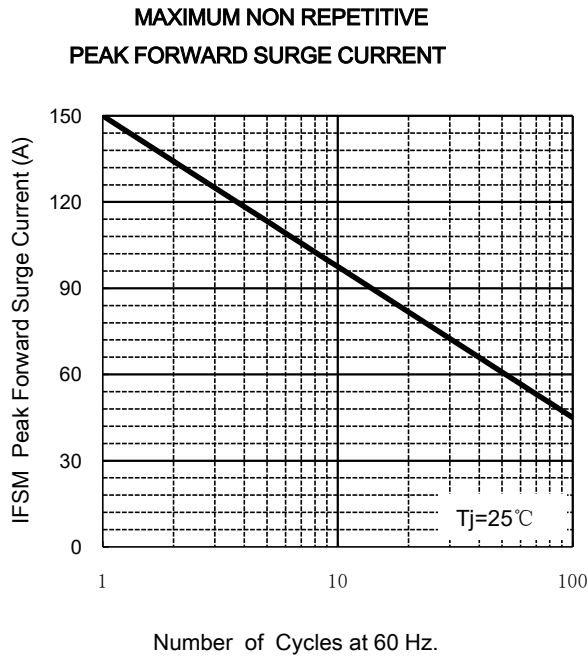
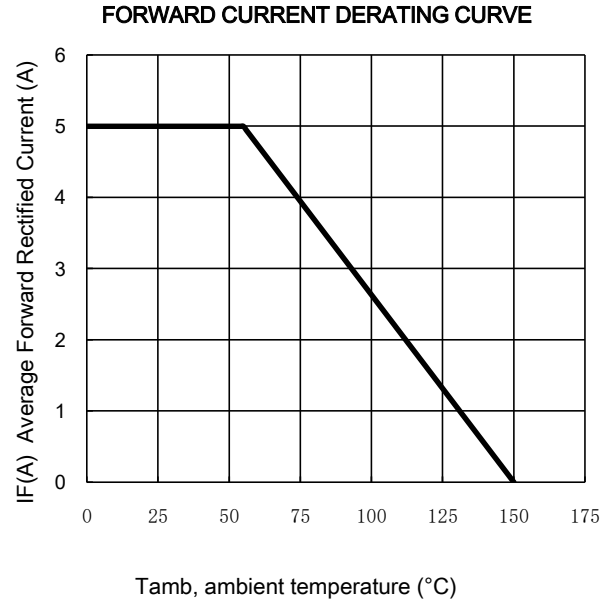
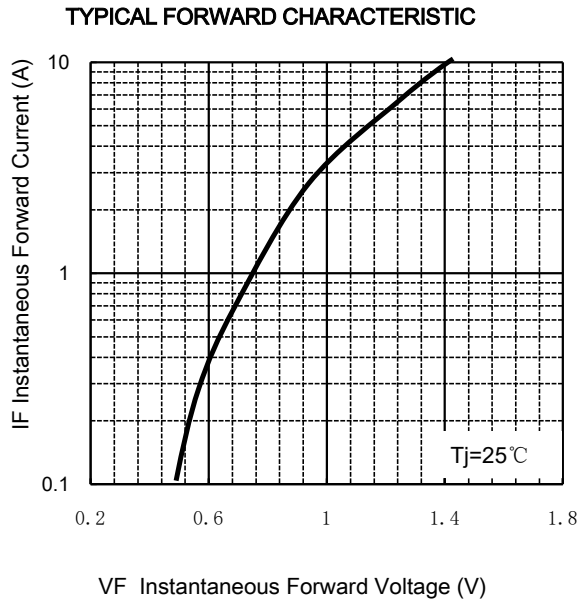
Maximum Ratings & Characteristics

Ratings at 25°C ambient temperature unless otherwise specified.

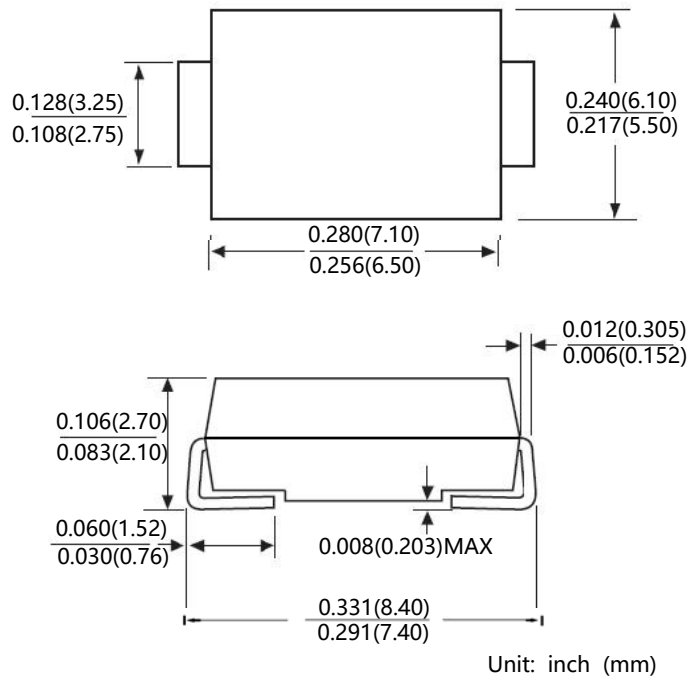
Parameter	Symbols	RS5A	RS5B	RS5D	RS5G	RS5J	RS5K	RS5M	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum average forward rectified current	$I_{F(AV)}$	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	1.30							V
@ V_{DC} Maximum reverse current	I_R	10							μA
$T_A= 25^{\circ}C$ $T_A= 125^{\circ}C$		100							
$I_F=0.5A$, $I_R=1.0A$, $IRR=0.25A$ MAX. reverse recovery time	T_{RR}	150			250	500		nS	
Typical thermal resistance (Note 1)	$R_{\theta JA}$	55							°C/W
$V_R=4.0V$, $f=1MHz$ Type junction capacitance	C_J	85							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


Package Outline



Package Information

Qty: 3,000/Tape and reel