

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

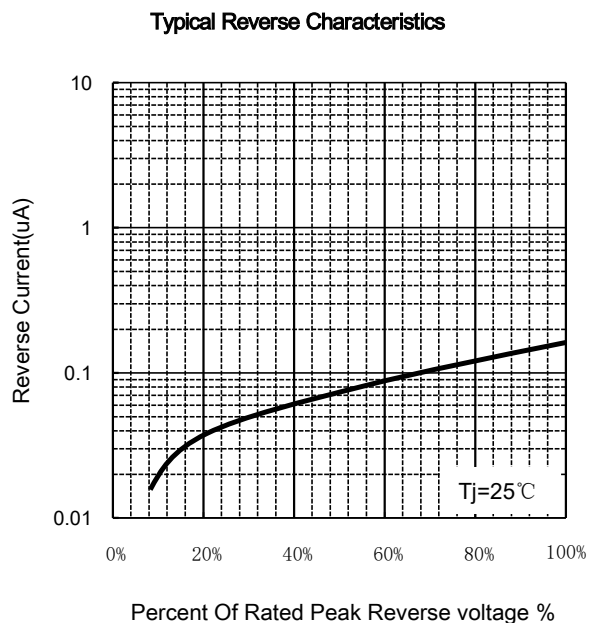
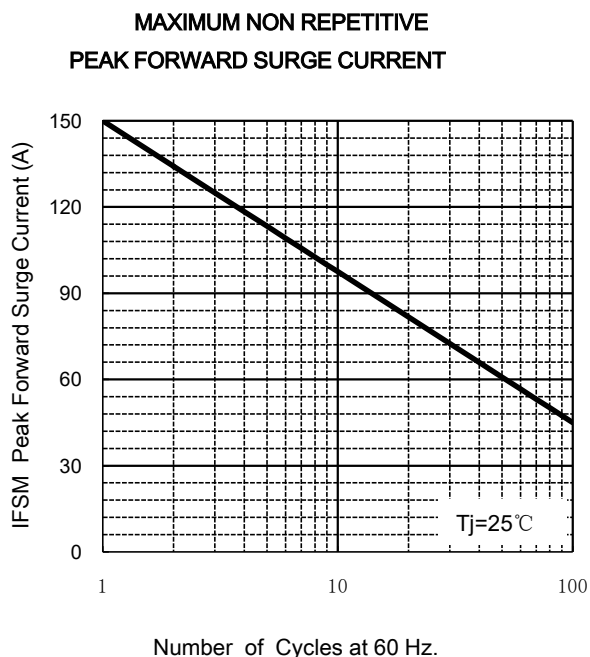
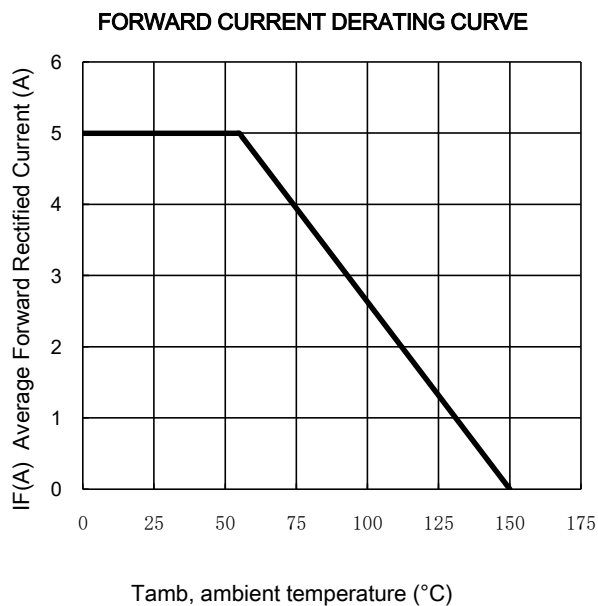
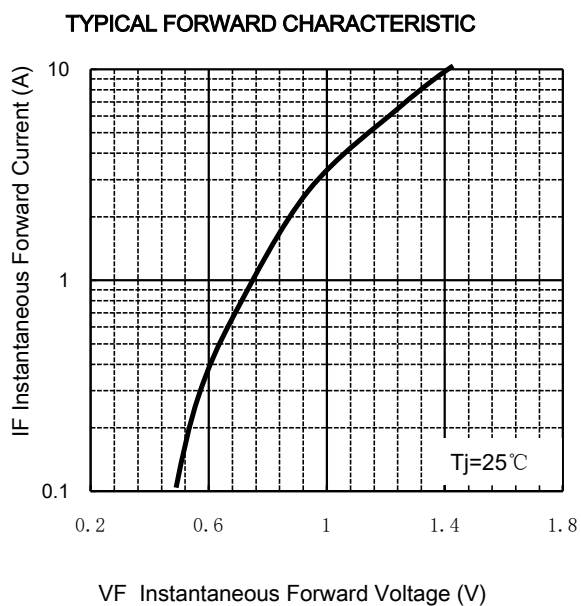
Ratings at 25°C ambient temperature unless otherwise specified.

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
@IF=5.0A Maximum forward voltage	V _F	1.30							V
@V _{DC} Maximum reverse current	I _R	10							μA
TA= 25°C TA= 125°C		100							
IF=0.5A , IR=1.0A ,IRR=0.25A MAX. reverse recovery time	T _{RR}	150				250	500	nS	
Typical thermal resistance (Note 1)	R _{θJA}	55							°C/W
VR=4.0V,f=1MHz Type junction capacitance	C _J	85							pF
Operating junction and storage temperature rang	T _J , T _{STG}	-55 --- +150							°C

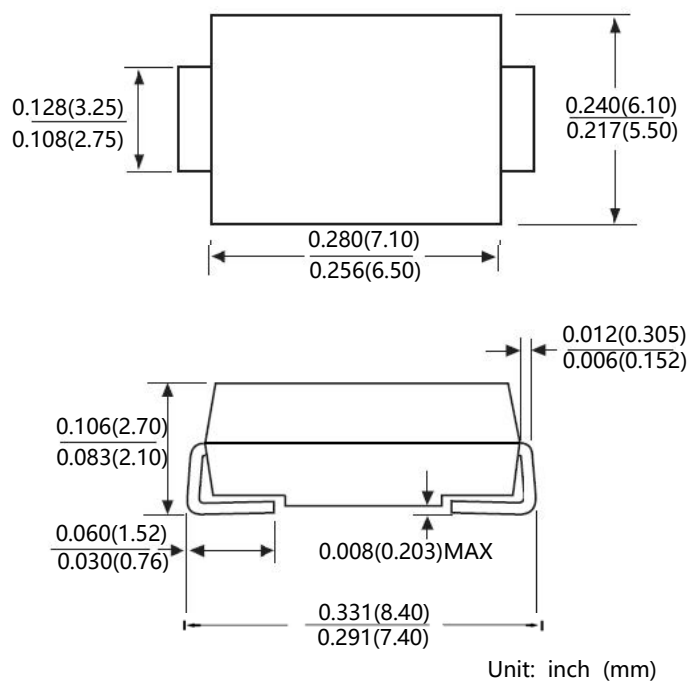
note:

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

Characteristic Curves



Package Outline



Package Information

Qty: 3,000/Tape and reel