

Features

- Low profile package
- Ideal for automated placement
- Glass passivated chip junction
- Super fast reverse recovery time
- High forward surge capability
- Meets MSL level 1, per J-STD-020,LF maximum peak of 260 °C



For use in high frequency rectification of power supply, inverters, converters, and freewheeling diodes for consumer and telecommunication.



- Package: DO-214AB(SMC)
 Molding compound meets UL 94 V-0 flammability rating,RoHS-compliant
- Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Cathode line denotes the cathode end





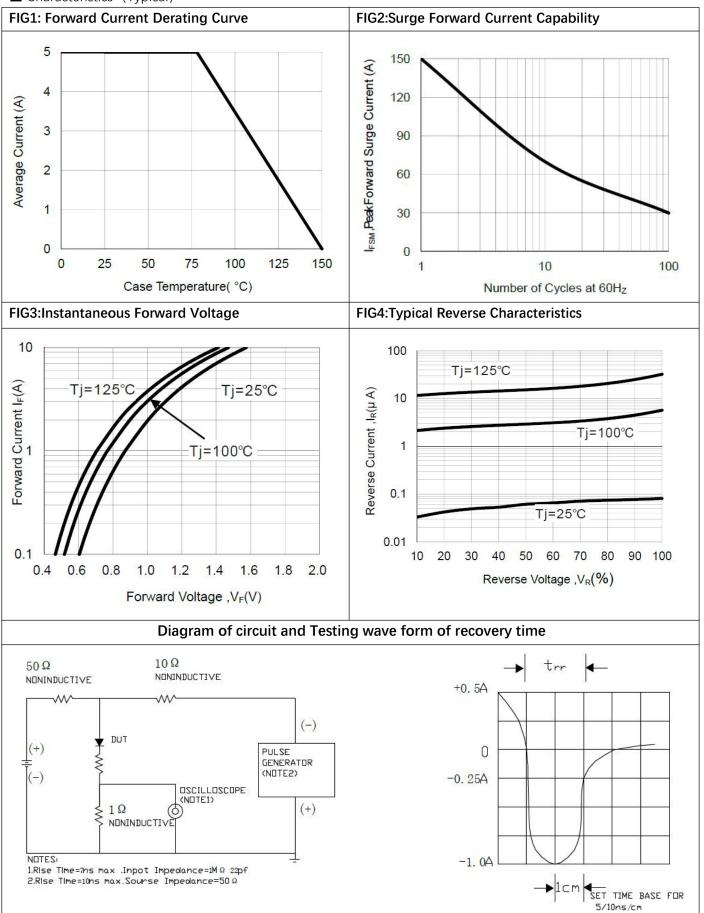
■ Maximum Ratings (Ta=25°C Unless otherwise specified)

| PARAMETER | Symbol | Unit | Conditions | MUR540S | MUR560S | |
|-------------------------------------|--------|------|--|--------------------|---------|--|
| Repetitive Peak Reverse Voltage | VRRM | V | | 400 | 600 | |
| Average Forward Current | lo | Α | Half-sine wave, Resistance load, Tc(Fig.1) | 5.0 | | |
| Surge(Nonrepetitive)Forward Current | IFSM | Α | 60HZ sine wave, 1 cycle, Ta=25℃ | 150 | | |
| Storage Temperature | Tstg | °C | | -55 ~ + 150 | | |
| Junction Temperature | Tj | °C | | -55 ~ +150 | | |

Electrical Characteristics (Ta=25°C Unless otherwise specified)

| PARAMETER | Symbol | Unit | Conditions | | MUR440S | MUR560S |
|-------------------------------|--------|----------|--|---------|---------|---------|
| Peak Forward Voltage | VFM | V | @I F=5A | 1.30 | | 30 |
| Peak Reverse Current | IRRM1 | | VRM=VRRM | Ta=25℃ | 10 | |
| | IRRM2 | μA | | Ta=125℃ | 250 | |
| Maximum reverse recovery time | Trr | ns | I _F =0.5A,I _R =1.0A,I _{rr} =0.25A | | 50 | |
| Thermal Resistance | Røj-L | °C /W | Between junction and terminal | | 12 | |

■ Characteristics (Typical)

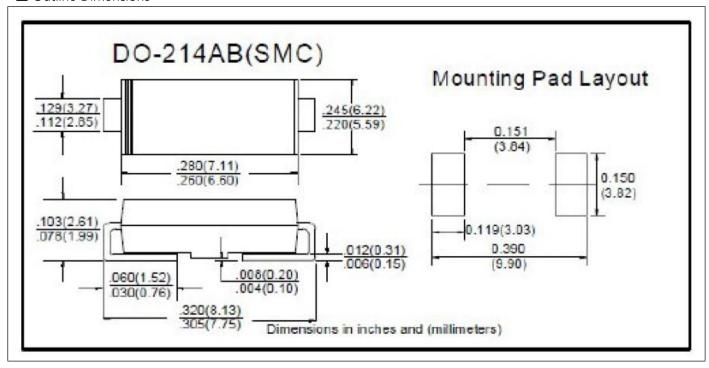




■ Ordering Information (Example)

| PREFERED | PACKAGE CODE | | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|-----------------|---------------|------|-------------------------|----------------------------|---------------|
| MUR540S~MUR560S | DO-214AB(SMC) | 3000 | 6000 | 42000 | 13" reel |

■ Outline Dimensions



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