

**SURFACE MOUNT SCHOTTKY  
BARRIER RECTIFIERS**

**SS3150--SS3200**

**FEATURES**

- Metal-Semiconductor junction with guard ring
- Low forward voltage drop, low switching losses
- High surge capacity
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications



**MECHANICAL DATA**

- Case: SMC molded plastic body
- Terminals: Axial lead ,solderable per MIL-STD750, Method 2026
- Polarity: As marked

**Maximum Ratings** (@TA = 25°C unless otherwise specified)

Characteristic	Symbol	SS3150	SS3200	UNITS
Marking code		SS3150	SS3200	
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	150	200	V
Maximum RMS voltage	V <sub>RWS</sub>	105	140	V
Maximum DC blocking voltage	V <sub>DC</sub>	150	200	V
Maximum average forward rectified current at T <sub>L</sub> =110°C	I <sub>F(AV)</sub>	3.0		A
Peak forward surge current 8.3ms single half-sine-wave	I <sub>FSM</sub>	100		A

**Thermal Characteristics**

Characteristic	Symbol	SS3150	SS3200	UNITS
Operating temperature range	T <sub>J</sub>	-55-----+150		°C
Storage temperature range	T <sub>STG</sub>	-55-----+150		°C

**Electrical Characteristics** (@TA = 25°C unless otherwise specified)

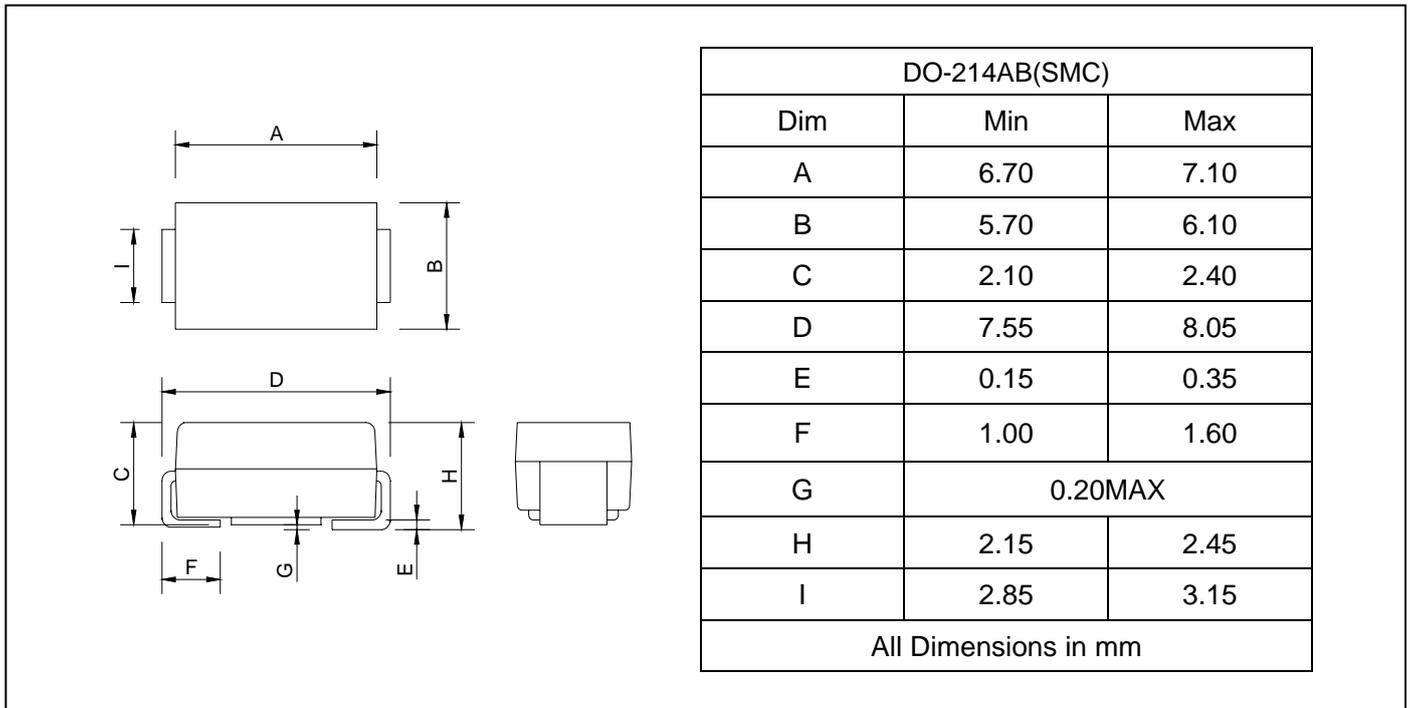
Characteristic	Symbol	SS3150	SS3200	UNITS
Maximum instantaneous forward voltage at I <sub>FM</sub> =3.0A	V <sub>F</sub>	0.95		V
Maximum DC reverse current T <sub>A</sub> =25°C at rated DC blocking voltage T <sub>A</sub> =100°C	I <sub>R</sub>	0.1	5.0	m A



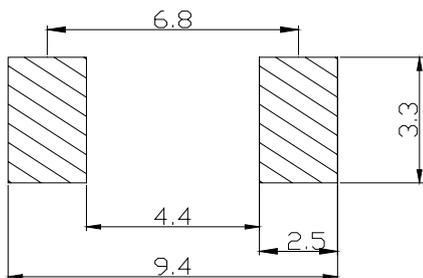
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**PACKAGE OUTLINE DIMENSIONS**



**SOLDERING FOOTPRINT**



Unit : mm

**PACKAGE INFORMATION**

Device	Package	Shipping
SS3150--SS3200	DO-214AB(SMC)	3000/Tape&Reel



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FIG.1 TYPICAL FORWARD CHARACTERISTICS

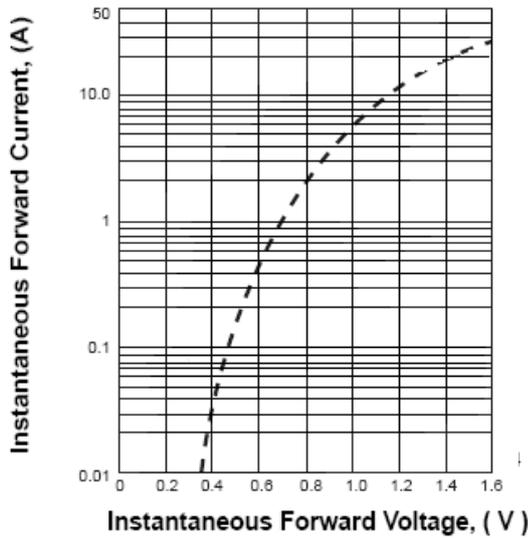


FIG.2 FORWARD DERATING CURVE

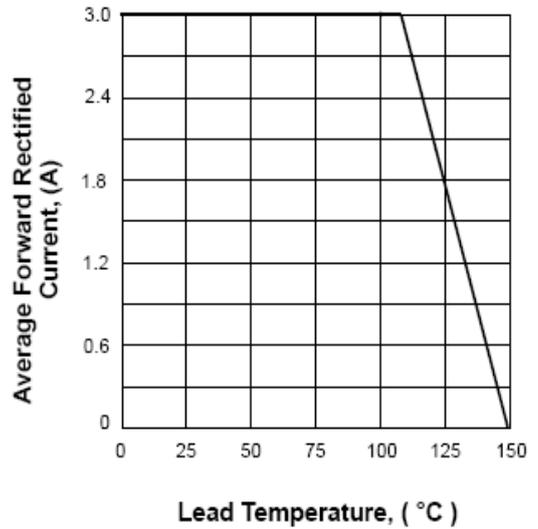


FIG.3 TYPICAL REVERSE CHARACTERISTICS

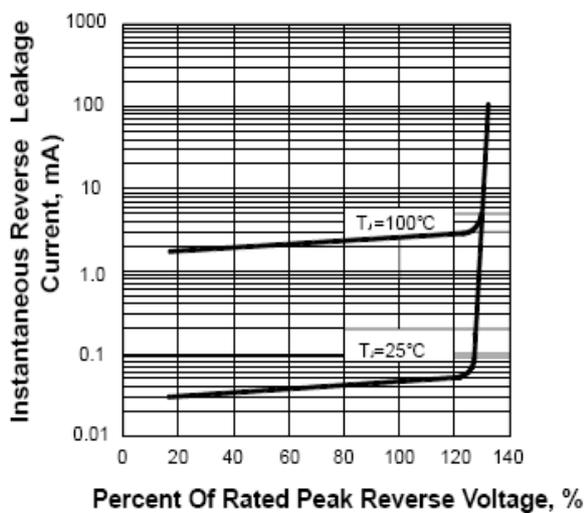


FIG.4 PEAK FORWARD SURGE CURRENT

