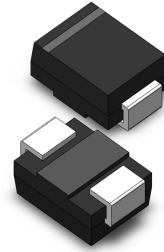


**VOLTAGE RANGE: 100V**  
**CURRENT: 3.0 A**

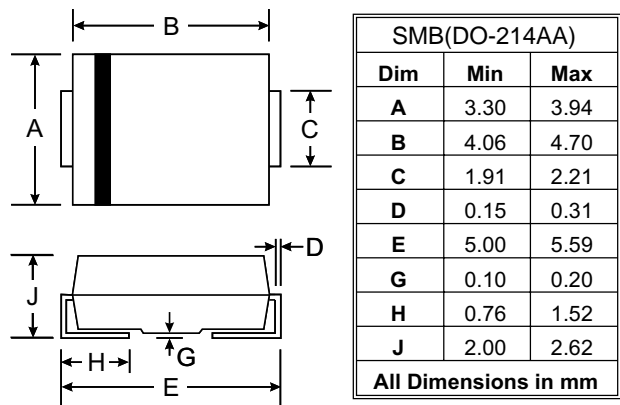


### Features

- Miniature Size, Surface Mount Device
- Low Forward Voltage Drop
- High Surge Capability
- Low Power Loss, High Efficiency
- Packaged in 12mm Tape and Reel
- Not Rolling During Assembly

### Mechanical Data

- Case: SMB/DO-214AA, Molded Plastic
- Terminals: Solder Plated, Solderable per MIL-STD-750, Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.093 grams (approx.)



### Maximum Ratings @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	100	V
Average Rectified Output Current 50Hz Half Sine Wave Resistive Load <small>T<sub>a</sub>=26°C * 1 T<sub>1</sub>=84°C</small>	I <sub>o</sub>	1.3 3.0	A
R.M.S. Forward Current	I <sub>F(RMS)</sub>	4.71	A
Surge Forward Current 50Hz Half Sine Wave, 1 cycle, Non-repetitive	I <sub>FSM</sub>	60	A
Operating Junction Temperature Range	T <sub>jw</sub>	-40 to +150	°C
Storage Temperature Range	T <sub>stg</sub>	-40 to +150	°C

### Electrical Characteristics @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Peak Reverse Current T <sub>j</sub> = 25°C, V <sub>RM</sub> = V <sub>RRM</sub>	I <sub>RM</sub>	-	-	2	mA
Peak Forward Voltage T <sub>j</sub> = 25°C, I <sub>FM</sub> = 3.0A	V <sub>FM</sub>	-	-	0.85	V
Thermal Resistance	Junction to Ambient R <sub>th(j-a)</sub>	-	-	108	C /W
	Junction to Lead R <sub>th(j-l)</sub>	-	-	23	