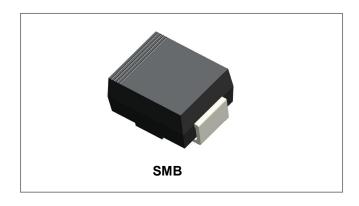






SD260B STANDARD RECTIFIER



Features

- **Glass Passivated Die Construction**
- **Ideally Suited for Automatic Assembly**
- **Low Forward Voltage Drop**
- **Low Power Loss**
- **Built Strain Relief**
- Plastic Case Material has UL Flammability Classification Rating 94V-O
- This is a Pb Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Circuit Diagram



Mechanical Data

- Case: SMB molded plastic body
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- **Mounting Position: Any** Weight: 0.09 grams

Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Characteristic	Symbol	SD260B	Units
Maximum repetitive peak reverse voltage Maximum DC blocking voltage	V _{RRM} V _{DC}	600	V
Maximum RMS voltage	V _{RMS}	420	V
Maximum average forward rectified current 0.375"(9.5mm) lead length @T _A = 75°C	I _(AV)	2.0	Α
Peak forward surge current 8.3ms single half sine- wave superimposed on rated load (JEDEC Method)	I _{FSM}	120	Α
Maximum instantaneous forward voltage at 2.0A	V _F	1.2	V
Maximum DC reverse current @T _A = 25°C at rated DC blocking voltage @T _A = 100°C	I _R	5 100	μA
Typical Junction Capacitance (Note 1)	CJ	30	pF
Typical Thermal Resistance (Note 2)	R _{θJA}	20	°C/W
Operating and Storage Temperature Range	T _{J,} T _{STG}	-65 to +175	°C

- Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
 - 2. Thermal resistance from junction to ambient at 0.375"(9.5mm)lead length, P.C.B. mounted.
 - China Germany Korea Singapore United States •
 - http://www.smc-diodes.com
 sales@ smc-diodes.com

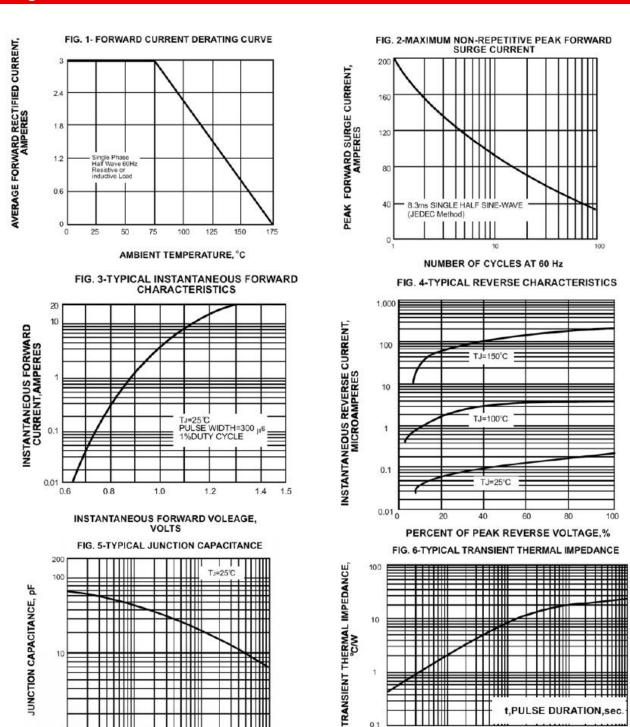






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Ratings and Characteristics Curves



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REVERSE VOLTAGE, VOLTS

0.1

0.1

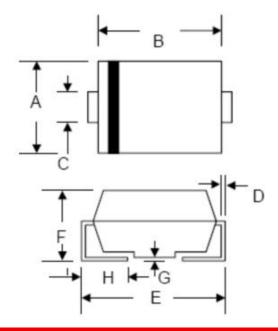
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Mechanical Dimensions SMB



Millimeter		neters	Inches	
SYMBOL	Min.	Max.	Min.	Max.
А	3.30	3.94	0.130	0.155
В	4.06	4.70	0.160	0.185
С	1.80	2.20	0.071	0.087
D	0.152	0.305	0.006	0.012
Е	4.80	5.59	0.189	0.220
F	2.10	2.60	0.083	0.102
G	0.051	0.203	0.002	0.008
Н	0.76	1.52	0.030	0.060

Ordering Information

Device	Package	Shipping
SD260B	SMB(Pb-Free)	3000pcs / reel

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram



Where XXXXX is YYWWL

 SD260B
 = Part Name

 YY
 = Year

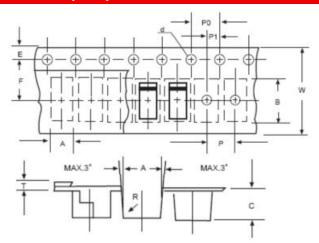
 WW
 = Week

 L
 = Lot Number

Cautions: Molding resin

Epoxy resin UL:94V-0

Carrier Tape Specification SMB



SYMBOL	Millimeters			
STIVIBUL	Min.	Max.		
Α	3.99	4.19		
В	5.72	5.92		
С	3.23	3.43		
d	1.40	1.60		
Е	1.40	1.60		
F	5.60	5.70		
Р	7.90	8.10		
P0	3.90	4.10		
P1	1.90	2.10		
Т	-	0.60		
W	11.80	12.20		

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