

**SD360B STANDARD RECTIFIER**

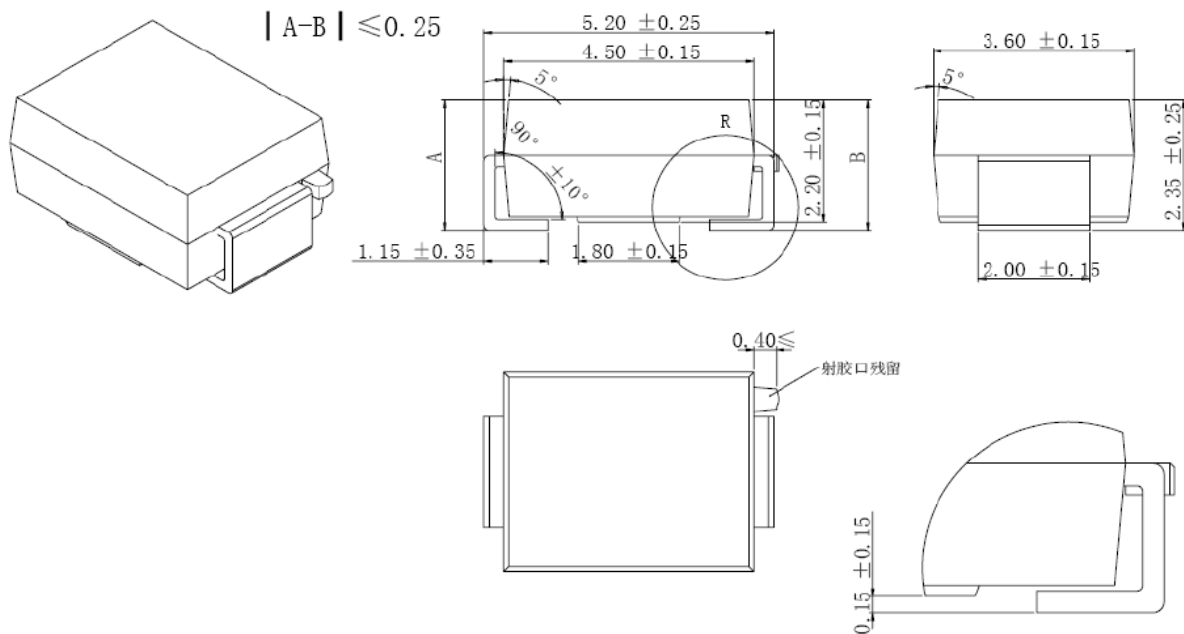
**Features:**

- 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

**Mechanical data:**

- Case: Molded Plastic
- Terminals: Solder Plated , Solderable Per MIL-STD 750 ,Method 2026
- Polarity: Cathode Band or Cathode Notch
- Marking: Type Number
- Weight: 0.68 grams(Approx)

**Mechanical Dimensions: In mm**

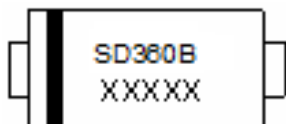


**SMB**



**Marking Diagram:**

Where XXXXX is YYWWL



SD360B = Part Name  
YY = Year  
WW = Week  
L = Lot Number

**Cautions:** Molding resin  
Epoxy resin UL:94V-0

**Ordering Information**

Device	Package	Shipping
SD360B	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.

**Maximum Ratings and Electrical Characteristics** @T<sub>A</sub>=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.  
For capacitive load, derate current by 20%.

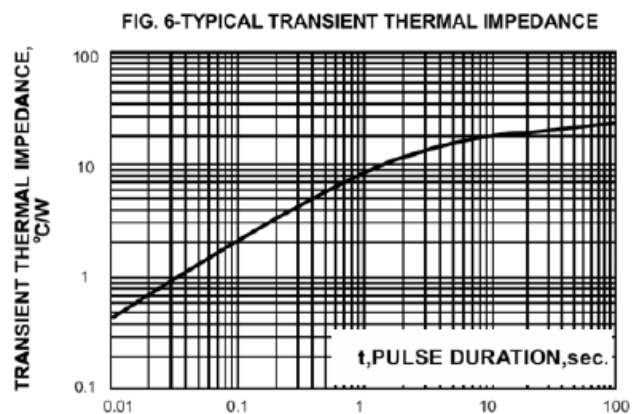
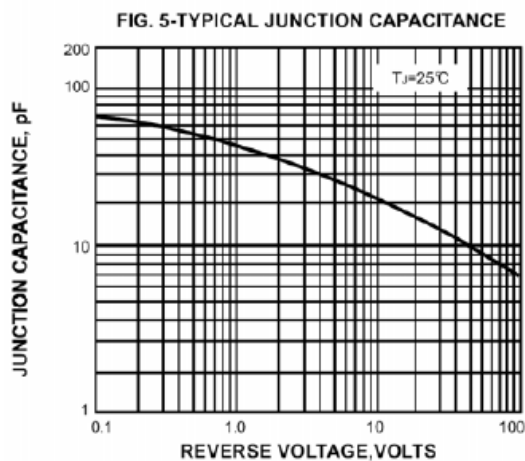
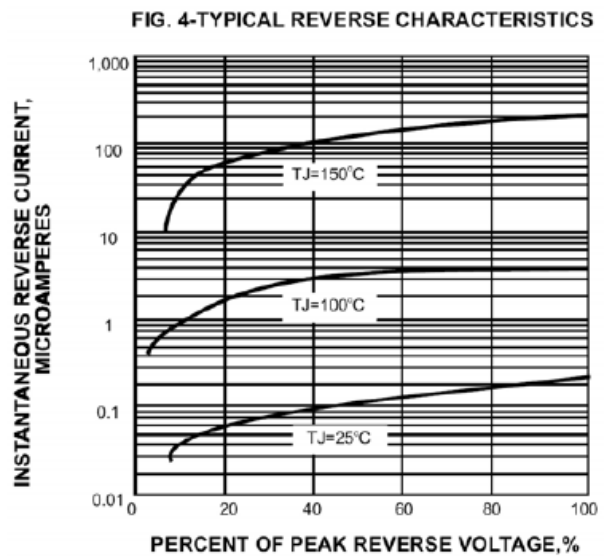
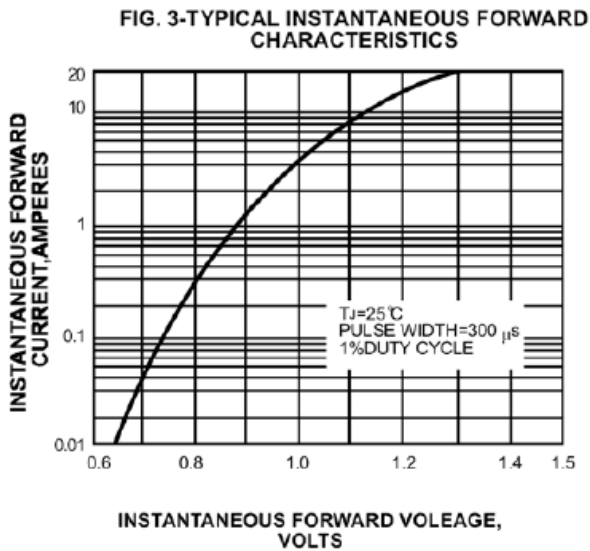
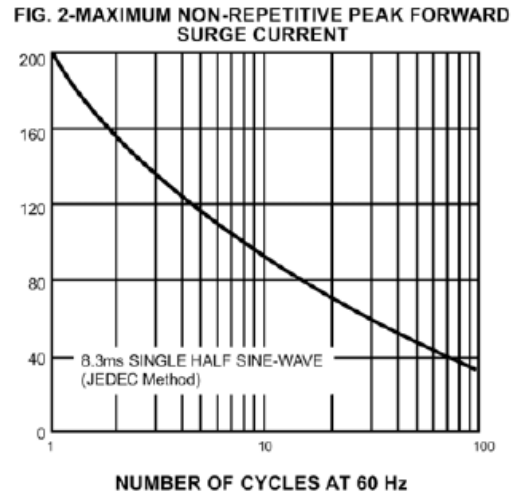
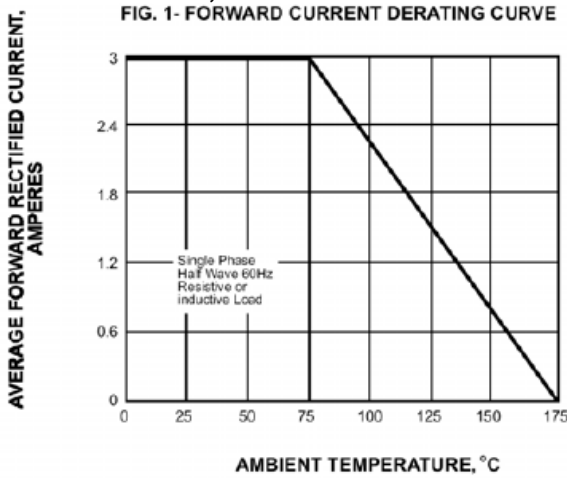
Characteristic	Symbol	SD360B	Unit
Maximum Peak Repetitive Reverse Voltage Maximum DC Blocking Voltage	V <sub>RRM</sub> V <sub>DC</sub>	600	V
Maximum RMS Voltage	V <sub>RMS</sub>	420	V
Maximum Average Forward Rectified Current 0.375"(9.5mm) Lead Length @T <sub>A</sub> = 75°C	I <sub>(AV)</sub>	3.0	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	120	A
Maximum Instantaneous Forward Voltage @I <sub>F</sub> = 3.0A	V <sub>F</sub>	1.2	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>	5.0 100	uA
Typical Junction Capacitance (Note 1)	C <sub>j</sub>	30.0	pF
Typical Thermal Resistance (Note 2)	R <sub>θJA</sub>	20.0	°C/W
Operating Storage Temperature Range	T <sub>STG</sub>	-65 to +175	°C
Operating Junction Temperature	T <sub>J</sub>	-65 to +175	°C
Case Style	SMB		

Note: 1. Measured at 1.0 MHz 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

Technical Data  
Data Sheet N0566, Rev. A

Green Products





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