



SD360B STANDARD RECTIFIER

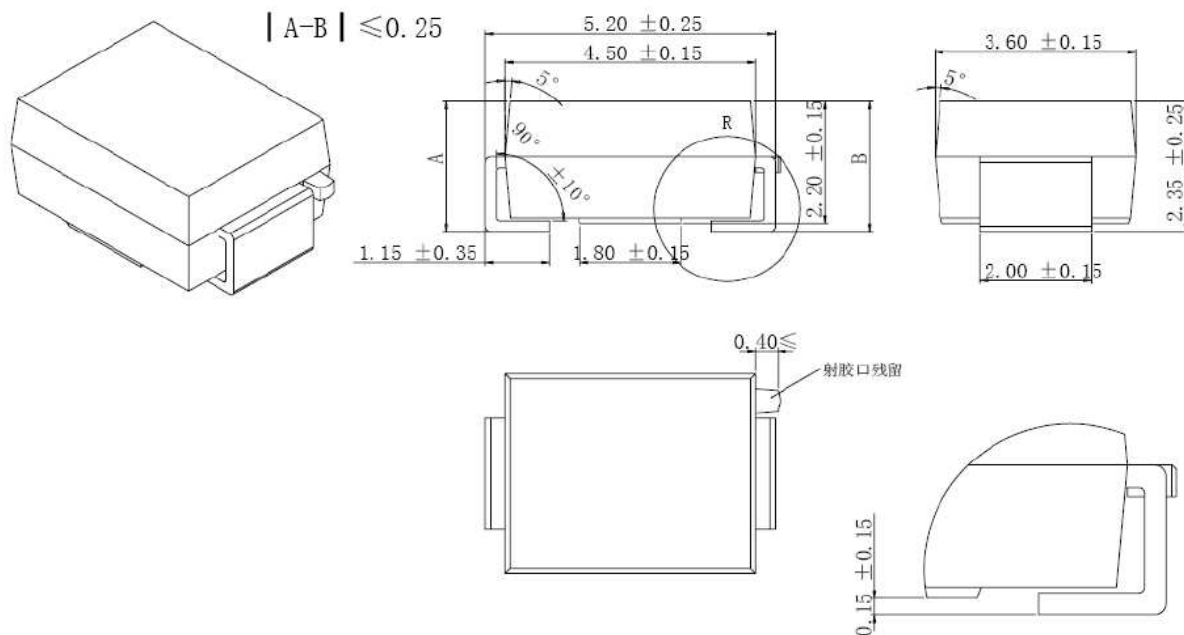
Features:

- Glass Passivated Die Construction
- Ideally Suited for Automatic Assembly
- Low Forward Voltage Drop
- Surge Overload Rating to 200A Peak
- 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

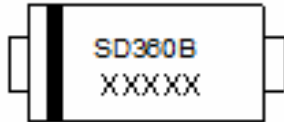


SMB



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

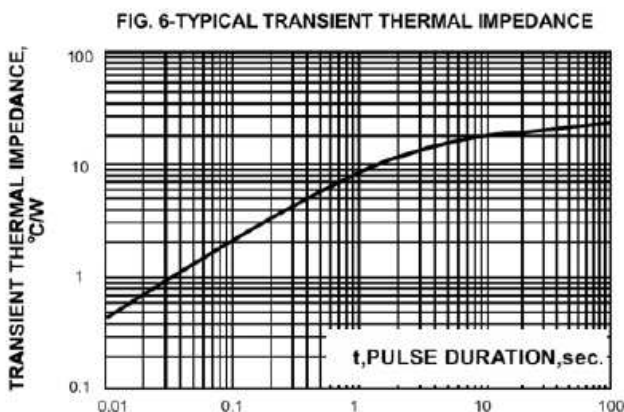
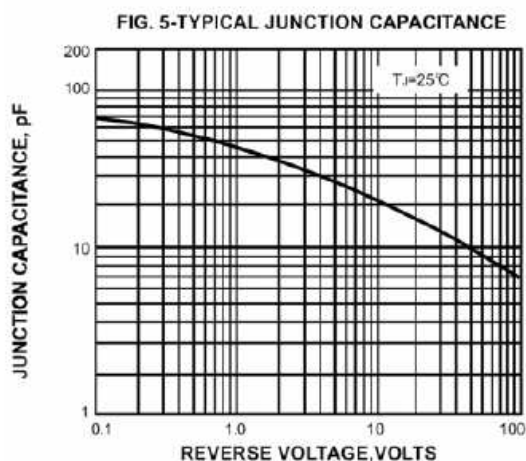
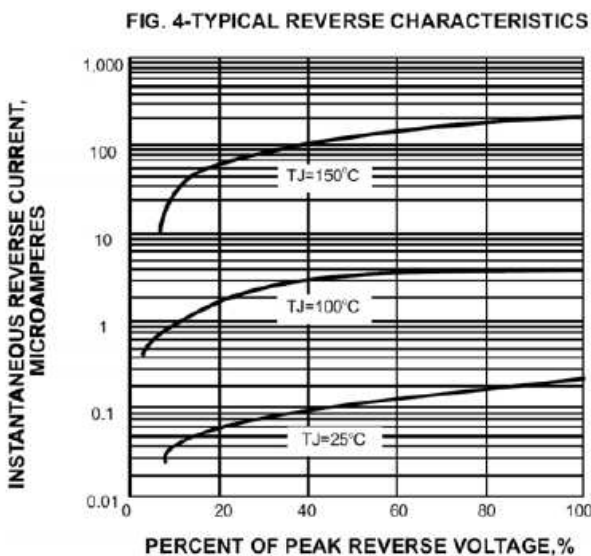
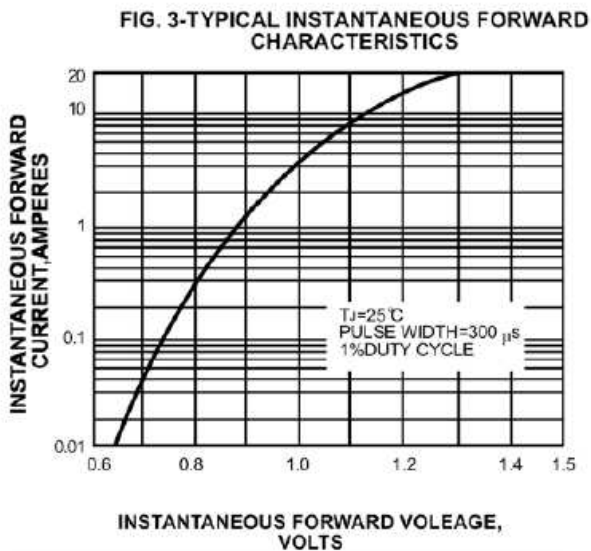
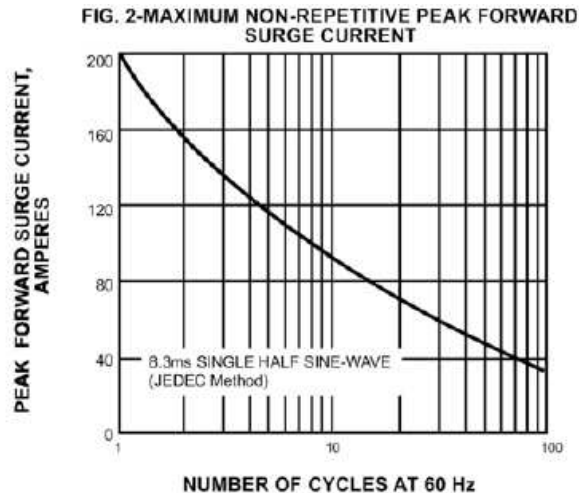
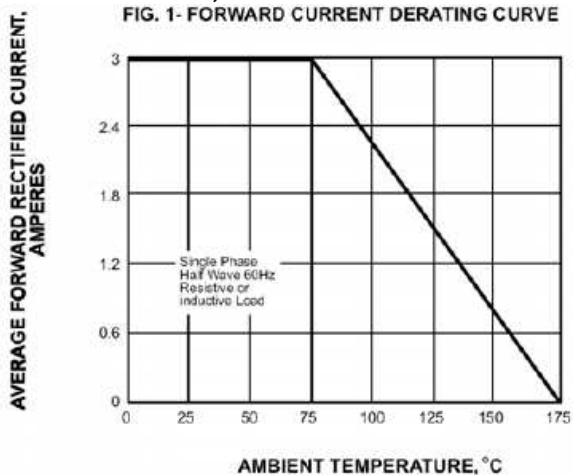
Rating at 25°C ambient temperature unless otherwise specified

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

Characteristic	Symbol	SD360B	Units
Maximum repetitive peak reverse voltage	V_{RRM}	600	V
Maximum RMS voltage	V_{RMS}	420	
Maximum DC Blocking Voltage	V_{DC}	600	
Maximum average forward rectified current 0.375"(9.5mm) lead length at $T_A = 75^\circ\text{C}$	$I_{(AV)}$	3.0	V
Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	120	A
Maximum instantaneous forward voltage at 3.0A	V_F	1.2	V
Maximum DC reverse current at rated DC blocking voltage	I_R	$T_A = 25^\circ\text{C}$ 5.0 $T_A = 100^\circ\text{C}$ 100	μA
Typical junction capacitance (NOTE 1)	C_J	30.0	pF
Typical thermal resistance (NOTE 2)	$R_{\theta JA}$	20.0	$^\circ\text{C}/\text{W}$
Operating junction and storage temperature range	T_J, T_{STG}	-65 to +175	$^\circ\text{C}$
Case Style		SMB	

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance form junction to ambient at 0.375"(9.5mm) lead length, P.C.B. mounted





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