



SB350-SB360(LS)

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 50 to 60 Volts FORWARD CURRENT - 3.0 Amperes

FEATURES

- Metal-Semiconductor junction with guard ring
- · Epitaxial construction
- · Low forward voltage drop
- · High current capability
- The plastic material carries UL recognition 94V-0
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection application
- IEC 61000-4-2, level 4 (ESD), > 15KV (air)
- · Lead-Free Finish; RoHS Compliant (Notes 1 & 2)
- · Halogen and Antimony Free. "Green" Device (Note 3)

MECHANICAL DATA

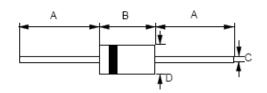
· Case: JEDEC DO-201AD molded plastic

· Polarity: Color band denotes cathode

· Weight: 0.04 ounces, 1.1 grams

· Mounting position: Any

DO-201AD



DO-201AD				
Dim.	Min.	Max.		
А	25.4	-		
В	7.30	9.50		
С	1.20	1.30		
D	4.80	5.30		
All Dimensions in millimeter				

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

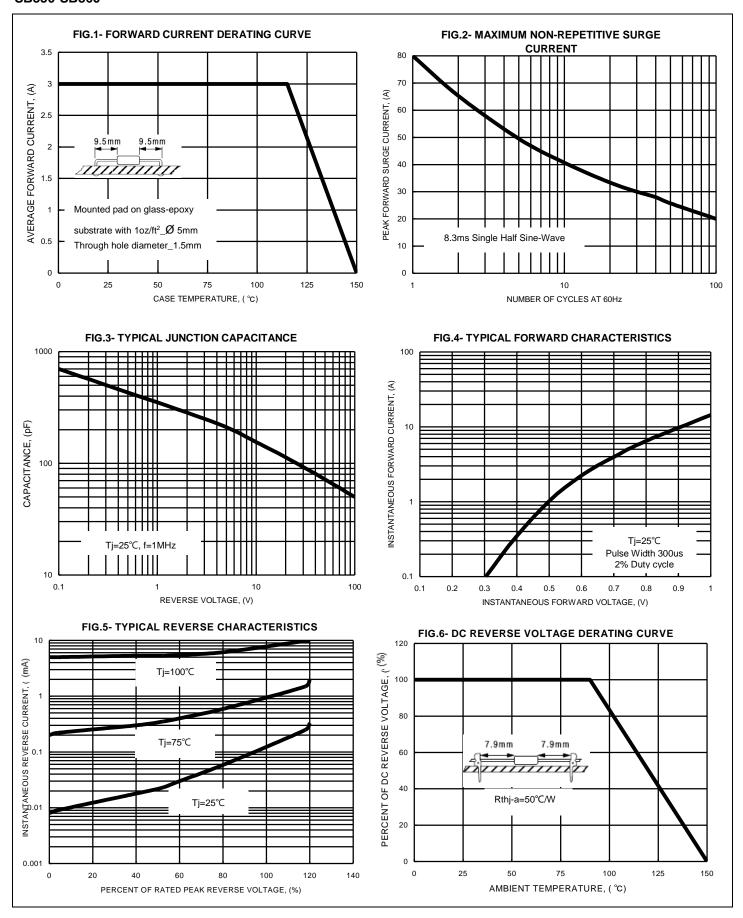
CHARACTERISTICS	SYMBOL	SB350		SB360	UNIT
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50 60		60	V
Maximum RMS Voltage	V _{RMS}	35 42		42	V
Maximum DC Blocking Voltage	VDC	50		60	V
Maximum Average Forward Rectified Current @Tc=115°C	I _{AV}	3.0			А
Peak Forward Surge 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	80		Α	
Maximum Forward Voltage at 3.0A DC	V _F	0.74			V
Maximum DC Reverse Current @Tj=25°C at Rated DC Blocking Voltage @Tj=100°C	I _R	0.05 20			mA
Typical Thermal Resistance (Note 4)	R _{OJL} R _{OJC}	10 19		°C/W	
Typical Junction Capacitance (Note 5)	Cj	250		pF	
Operating Junction Temperature Range	Tj	-55 to +150			°C
Storage Temperature Range	T _{STG}	-55 to +150		°C	
Note:				REV.7, Sept-2021, K	DHF10

1. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.

- 2. See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
- 3. Halogen- and Antimony-free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.
- 4. Thermal Resistance Junction to Lead and Case.
- 5. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



RATING AND CHARACTERISTIC CURVES SB350-SB360

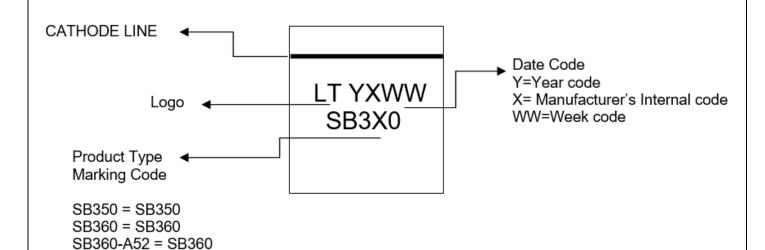




Ordering Information:

Part Number	Case	Packaging
SB350	DO-201AD	1200/Tape & Reel
SB360	DO-201AD	1200/Tape & Reel
SB360-A52	DO-201AD	1000/Ammo Pack

Marking Information:





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