

A Product Line of Diodes Incorporated

LITE-ON SEMICONDUCTOR

SB340(LS)

NOT RECOMMENDED FOR NEW DESIGN CONTACT US

SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 40 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

- Package: JEDEC DO-201AD molded plastic
- · Polarity: Color band denotes cathode
- · Weight: 0.04 ounces, 1.1 grams
- Mounting position: Any

DÖ-201AD						
Dim.	Min.	Max.	l			
A	25.4		l			
В	7.30	9,50	l			
С	1.20	1.30	l			
D	4.80	5.30	l			
All Dimensions in millimeter						

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

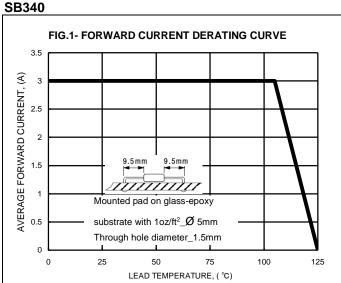
Ratings at 25°C ambient temperature unless otherwise specified.

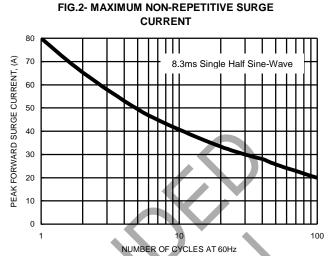
CHARACTERISTICS	SYMBOL	SB340	UNIT
Maximum Repetitive Peak Reverse Voltage	VRRM	40	V
Maximum RMS Voltage	V _{RMS}	28	V
Maximum DC Blocking Voltage	VDC	40	V
Maximum Average Forward Rectified Current	lav	3.0	Α
Peak Forward Surge 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	80	А
Maximum Forward Voltage at 3.0A DC	VF	0.50	V
Maximum DC Reverse Current @Tj=25°C at Rated DC Blocking Voltage @Tj=100°C	I _R	0.15 20	mA
Typical Thermal Resistance (Note 4)	R⊝JA R⊝JL R⊝JC	30 10 10	°C/W
Typical Junction Capacitance (Note 5)	C _j	200	pF
Operating Junction Temperature Range	Tj	-55 to +125	°C
Storage Temperature Range	Tstg	-55 to +150	°C

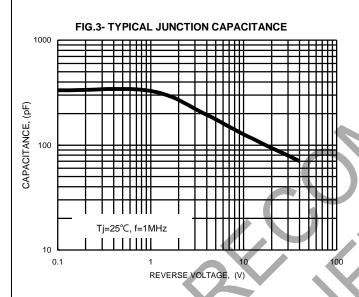
Notes :

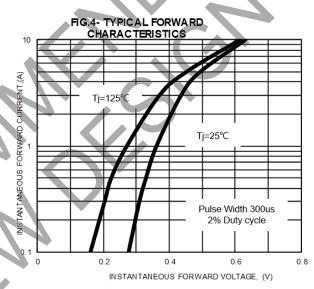
- 1. EU Directive 2002/95/EC (RoHS), 2011/65/EU (RoHS 2) & 2015/863/EU (RoHS 3) compliant. All applicable RoHS exemptions applied.
- 2. See https://www.diodes.com/quality/lead-free/ for more information about Diodes Incorporated's definitions of Halogen- and Antimony-free, "Green" and Lead-free.
- 3. 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 Ambient, Lead and Case.
- 5. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

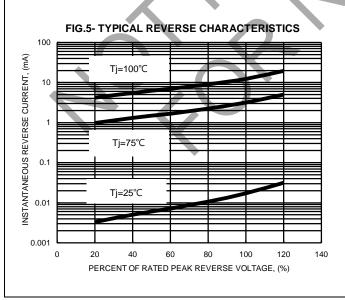
RATING AND CHARACTERISTIC CURVES

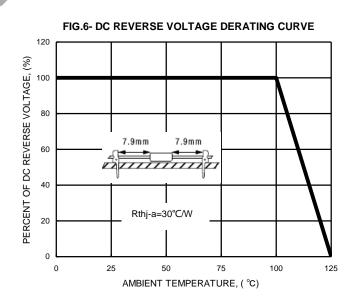










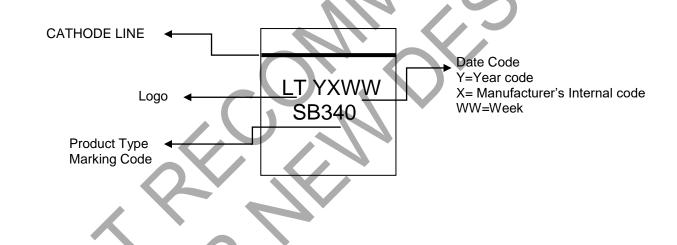




Ordering Information:

Part Number	Packing Packing		
Part Number	Package	Qty.	Carrier
SB340	DO-201AD	1200	Tape & Reel

Marking Information:



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