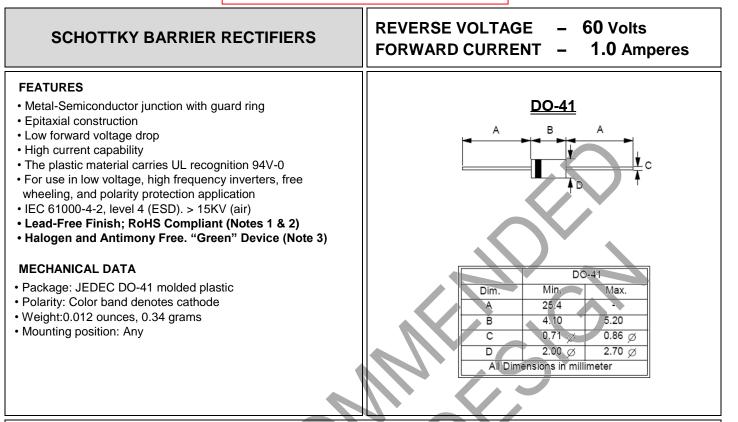




A Product Line of **Diodes Incorporated**

LITE-ON SEMICONDUCTOR **SB160(LS)**

NOT RECOMMENDED FOR NEW DESIGN **USE SB160**



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified.

CHARACTERISTICS	SYMBOL	SB160	UNIT
Maximum Repetitive Peak Reverse Voltage	Vrrm	60	V
Maximum RMS Voltage	Vrms	42	V
Maximum DC Blocking Voltage	VDC	60	V
Maximum Average Forward Rectified Current 0.395"(9.5mm) Lead length $@T_L=130^{\circ}C$	lav	1.0	А
Peak Forward Surge 8.3ms single half sine-wave super imposed on rated load	IFSM	40	А
Maximum forward Voltage at 1.0A DC	VF	0.7	V
Maximum DC Reverse Current @Tj=25°C at Rated DC Blocking Voltage @Tj=100°C	lr	0.05 10	mA
Typical Junction Capacitance(Note 4)	Cj	50	pF
Typical Thermal Resistance (Note 5)	ROJA ROJL ROJC	60 30 25	°C/W
Operating Temperature Range	Tj	-55 to +150	°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. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

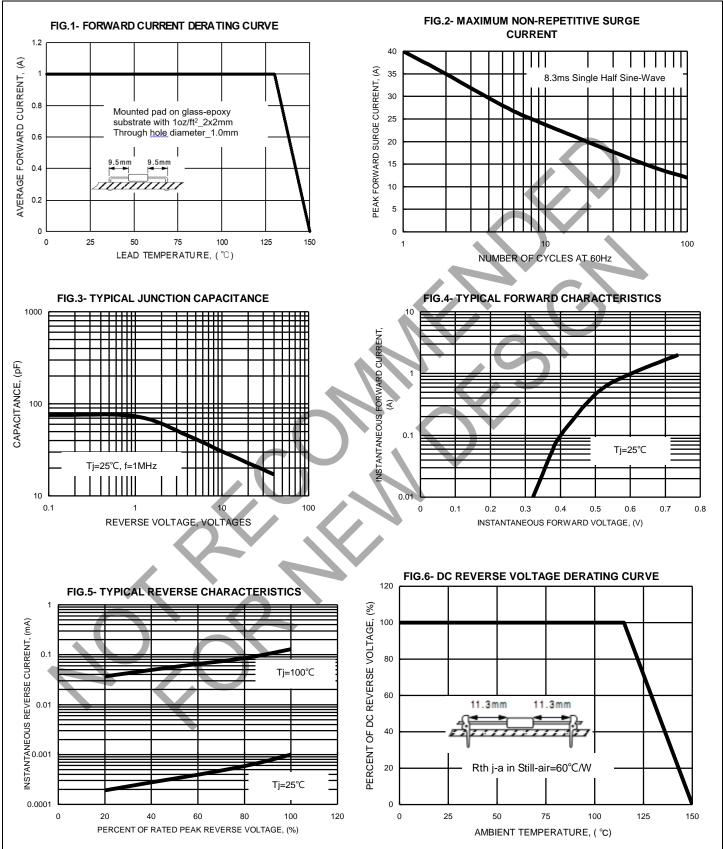
5. Thermal Resistance Junction to Ambient, Lead and Case.



LITE-ON SEMICONDUCTOR

RATING AND CHARACTERISTIC CURVES

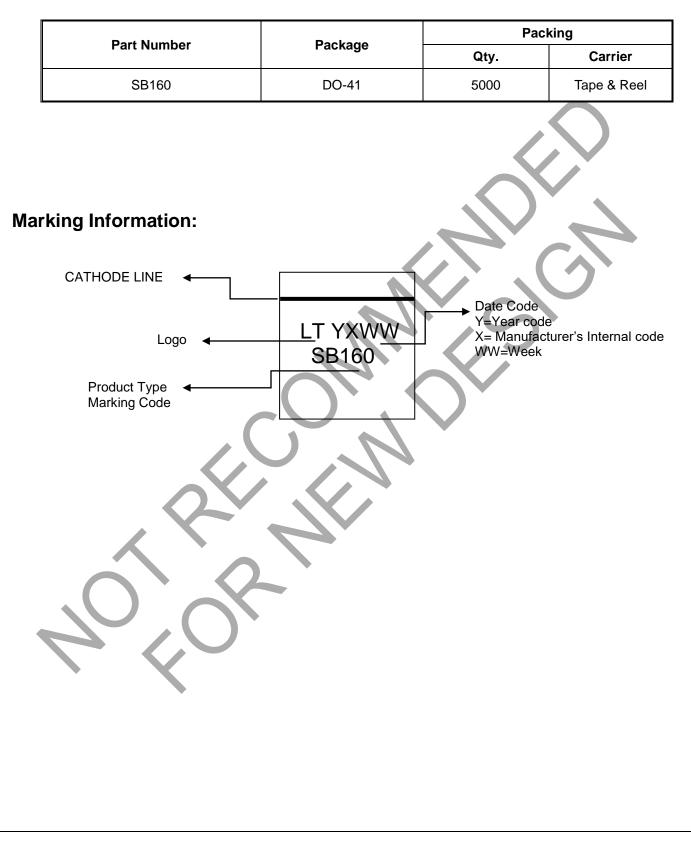
SB160





LITE-ON SEMICONDUCTOR

Ordering Information:





LITE-ON SEMICONDUCTOR

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