

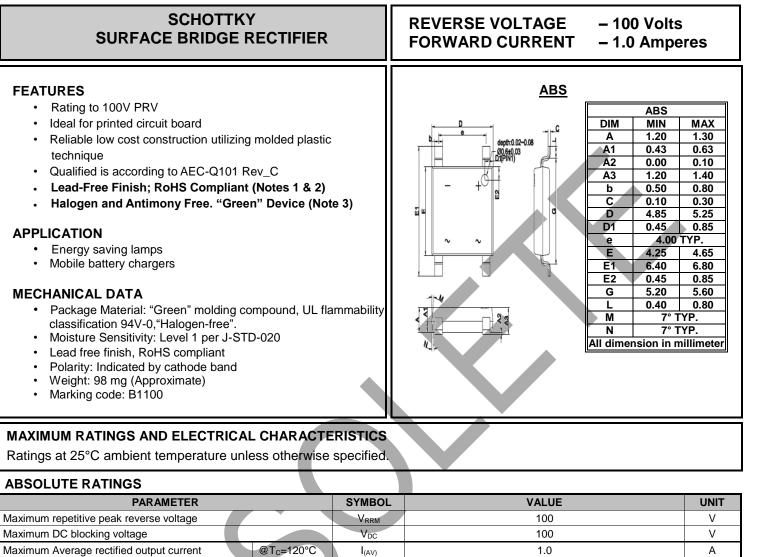
PART DISCONTINU

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LITE-ON SEMICONDUCTOR BABS1100



Forward voltage (Note 4) $I_F=1.0A$ Leakage current $V_R=100V$

Peak forward surge current 8.3ms single half sine-wave

STATIC ELECTRICAL CHARACTERISTICS

Operating junction and Storage Temperature range

Typical junction capacitance (Note 5)

THERMAL CHARACTERISTICS

PARAMETER

superimposed on rated load. I²t Rating for fusing (1ms<t<8.3ms)

PARAMETER	SYMBOL	ТҮР	UNIT	
Typical thermal resistance (Notes 6,7)	RthJ _c	18	°C/W	
	RthJ∟	14		

IFSM

1²t

T_{J,} T_{STG}

SYMBOL

VF

 I_R

C.J

Note:

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

TEST CONDITIONS

TJ=25°C

T_J=125°C

TJ=25°C

T_J=100°C

- 2. See https://www.diodes.com/guality/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. 300µs pulse width, 2% duty cycle.
- 5. Measured at 1.0MHz and applied voltage of 4.0V DC.
- 6. Thermal resistance test performed in accordance with JESD-51.
- 7. The unit mounted on glass-epoxy substrate with $10z/ft2_2$ mm x 2 mm copper pad.

MAX

0.85

0.60

10

5

А

A²S

°С

UNIT

V

μΑ

mΑ

pF

30

3.7

-55 ~ +150

55

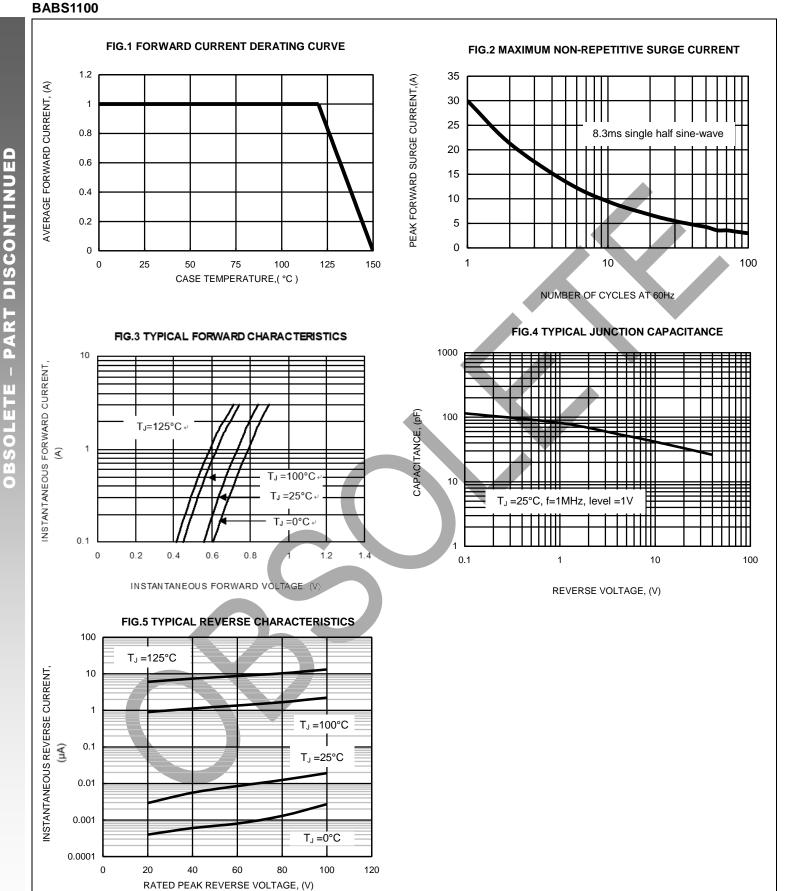
ТҮР

0.002

RATING AND CHARACTERISTIC CURVES

A Product Line of Diodes Incorporated

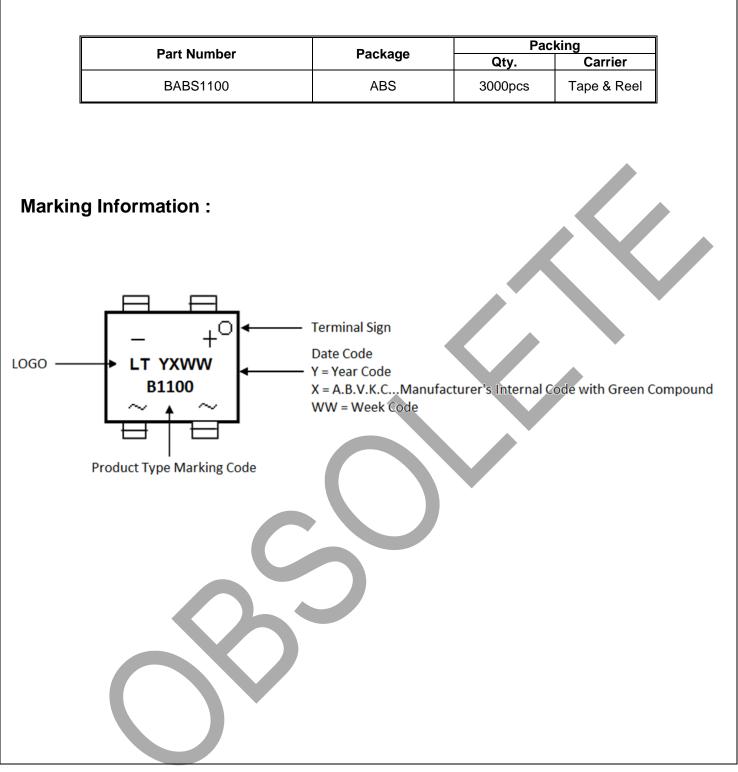
LITE-ON SEMICONDUCTOR



BABS1100 Document number: DS44058 Rev. 3 - 4



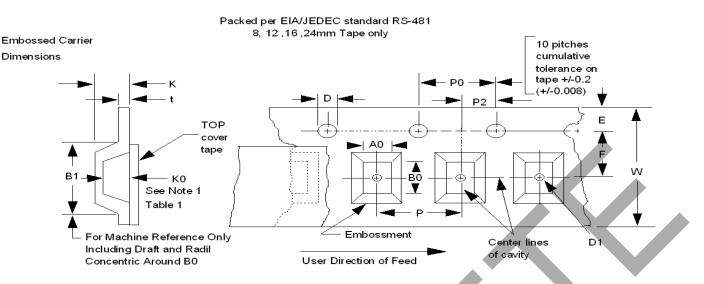
Ordering Information :





LITE-ON SEMICONDUCTOR

Embossed Carrier Dimensions

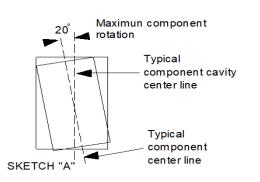


EMBOSSED TYPE

ALL DIMENSION IN MILLIMETERS AND (INCHES)

12mm 1.35+0.10/-0.0 (0.059 +0.004 -0.00) 1.75+/-0.10 (0.069+/-0.004) 4.0+/-0.10 (0.157+/-0.004) 0.6 (0.024) SEE NOTE 1 DIMENSION TAPE B1 D1 E K P2 R W/ R													
12mm 1.35+0.10/-0.0 1.75+/-0.10 4.0+/-0.10 0.6 SEE NOTE 1 DIMENSION 12mm -0.00) 0.069+/-0.004) 0.157+/-0.004) 0.06 0.024) SEE NOTE 1 DIMENSION	TAPE SIZE D			E		PO		t (MAX)	A0B0K0				
	12mm		(0.059 +	-0.004						SEE NOTE 1	1 CONSTANT DIMENSION		
VARIABLE	TAPE SIZE	B1 MAX	D1 MIN	F	K MAX	P2	2	R	W	Ρ			
12mm 8.2 (0.323) 1.5 (0.59) 5.5+/-0.05 (2.17+/-0.0 02) 4.5 (0.117) 2.0+/-0.05 (0.079+/-0.002) 30 (1.181) 12.0+/-0.30 (0.472+/-0.0) 8.0+/10 (0.315+/-0.0) DIMENSIONS	12mm			(2.17+/-0.0	4.5				(0.472+/-0.0	(0.315+/-0.0	DIMENSIONS		

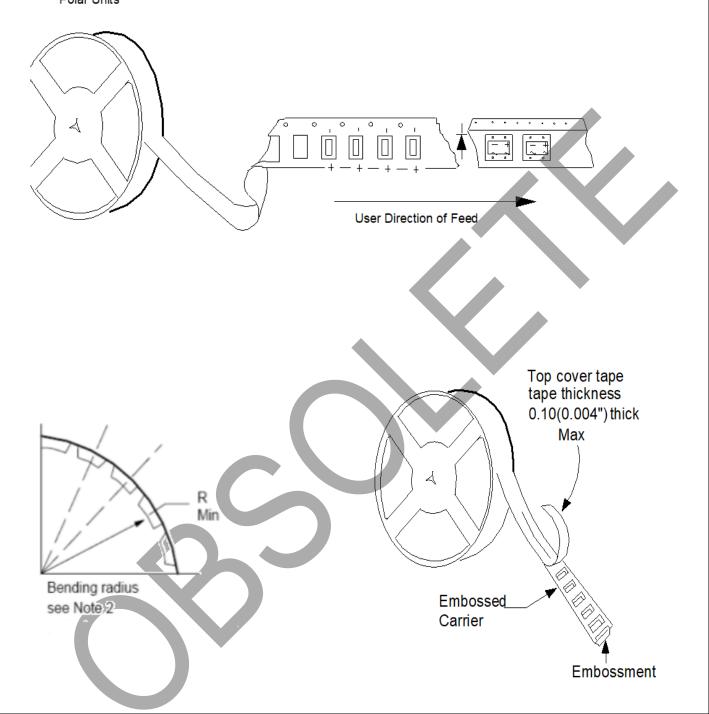
- Note 1: A0B0K0 are determined by component size. The clearance between the component and the cavity must bewithin 0.05 min. to 0.50 max. for 8 mm tape. 0.05 min. to 0.65 max. for 12mm tape. 0.15 min. to 0.90 max. for 16mm tape and 0.05 min. to 1.00 max. for 24 mm tape and larger .the component cannot rotate more than 20 within the determined cavity . see sketch "A" below.
 - 2: Tape and component shall pass around radius "R" without damage.





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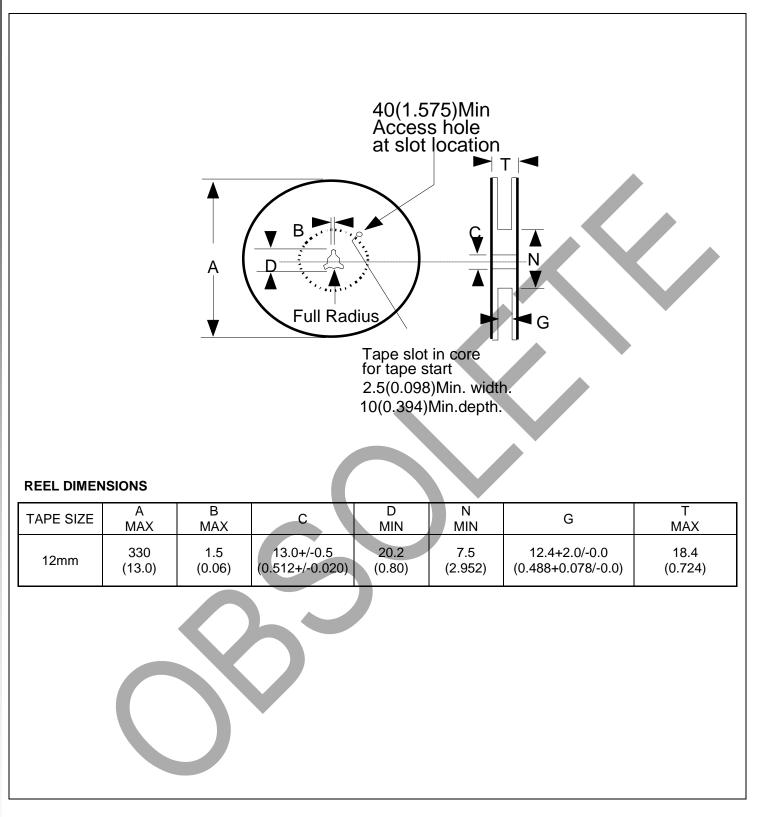
Polar Units





PACKAGING INFORMATION BABS1100

LITE-ON SEMICONDUCTOR





LITE-ON SEMICONDUCTOR

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