查询B340LA_1供应商





B340LA/B

3.0A LOW VF SCHOTTKY BARRIER RECTIFIER

WWW.DZSC.C

Features

Very Low Forward Voltage Drop Guard Ring Die Construction for Transient Protection Ideally Suited for Automatic Assembly Low Power Loss, High Efficiency Surge Overload Rating to 70A Peak Lead Free Finish/RoHS Compliant (Note 3)

Mechanical Data

Case: SMA/SMB Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 Moisture sensitivity: Level 1 per J-STD-020C Terminals: Lead Free Plating (Matte Tin Finish). Solderable per MIL-STD-202, Method 208 (2) Polarity: Cathode Band or Cathode Notch Marking: See Last Page Approximate Weight: SMA 0.064 grams SMB 0.093 grams

I←─── B ────>	Dim	SN	/IA	SMB			
	Dim	Min	Max	Min	Max		
	A	2.29	2.92	3.30	3.94		
	СВ	4.00	4.60	4.06	4.57		
	<u>+</u> с	1.27	1.63	1.96	2.21		
	D	0.15	0.31	0.15	0.31		
	←D E	4.80	5.59	5.00	5.59		
	G	0.10	0.20	0.10	0.20		
	н	0.76	1.52	0.76	1.52		
⊢H→ [↑] G	J	2.01	2.30	2.00	2.40		
с 1		All Dimensions in mm					

"A" Suffix Designates SMA Package "B" Suffix Designates SMB Package

Maximum Ratings @ T_A = 25 C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load unless otherwise noted. For capacitive load, derate current by 20%.

Characteristic	Symbol	Value	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	40	V
RMS Reverse Voltage	V _{R(RMS)}	28	V
Average Rectified Output Current (Note 1) $T_T = 90^{\circ}C$	lo	3.0	А
Non-Repetitive Peak Forward Surge Current, single sine-wave superimposed on rated load, 60Hz	I _{FSM}	70 70 70 70 70 70 70 70 70 70 70 70 70 7	А
Operating and Storage Temperature Range	Tj, TSTG	-40 to +125	°C

Electrical Characteristics @ T_A = 25 C unless otherwise specified

Characteristic	Symbol	Min	Тур	Мах	Unit	Conditions
Reverse Breakdown Voltage (Note 2)	V _{(BR)R}	40			V	I _R = 2.0mA
Forward Voltage Drop	VF		0.310	0.350 0.450	V	I _F = 1.0A I _F = 3.0A
				150	uA	V _R = 15V
Leakage Current (Note 2)	IR			1.0 2.0	mA	$V_R = 20V$ $V_R = 40V$
Total Capacitance	CT		180		pF	$f = 1MHz, V_R = 4.0VDC$
Thermal Resistance, Junction to Terminal	R JT		25		°C/W	

1. When mounted on alumina substrate, 180° half sine wave.

2. Short duration test pulse used to minimize self-heating effect.

SC. 37RoHS revision 13.2.2003. High Temperature Solder Exemption Applied, see EU Directive Annex Note 7.



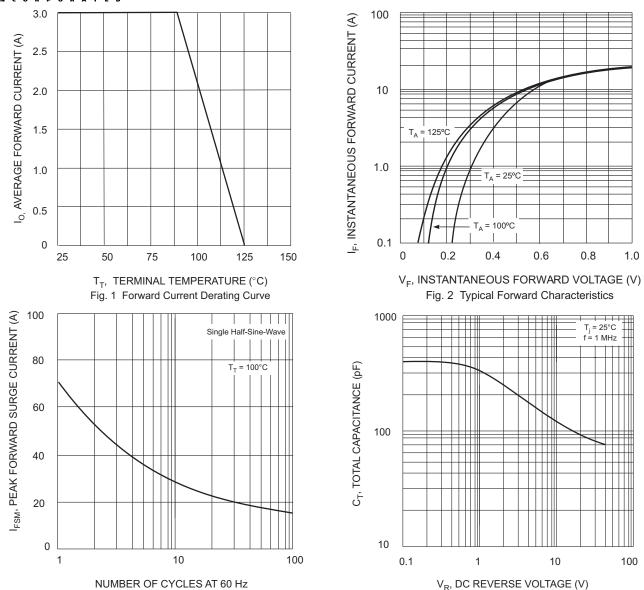


Fig. 3 Max Non-Repetitive Peak Forward Surge Current

V_R, DC REVERSE VOLTAGE (V) Fig. 4 Typical Total Capacitance

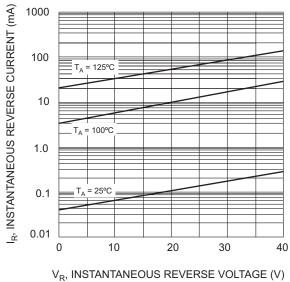


Fig. 5 Typical Reverse Characteristics

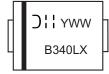


Ordering Information (Note 4)

Device	Packaging	Shipping	
B340LA-13-F	SMA	5000/Tape & Reel	
B340LB-13-F	SMB	3000/Tape & Reel	

Notes: 4. For Packaging Details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information



B340LA = Product type marking code, ex: B340LA (SMA package) B340LB = Product type marking code, ex: B340LB (SMB package))1! = Manufacturers' code marking YWW = Date code marking Y = Last digit of year ex: 2 for 2002 WW = Week code 01 to 52

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