

B40C1000 - B500C1000



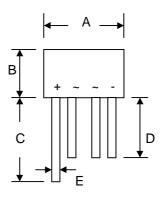
1.0A SINGLE-PHASE BRIDGE RECTIFIER

Features

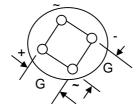
- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- Excellent Case Dielectric Strength

Mechanical Data

- Case: WOB, Molded Plastic
- Terminals: Plated Leads Solderable per
 - MIL-STD-202, Method 208 Polarity: As Marked on Body
- Weight: 1.1 grams (approx.)
- Mounting Position: Any
- Marking: Type Number
- Lead Free: For RoHS / Lead Free Version,
 Add "-LF" Suffix to Part Number, See Page 4



WOB				
Dim	Min	Max		
Α	8.60	9.10		
В	5.0	5.50		
С	27.9	_		
D	25.4	_		
E	0.71	0.81		
G	4.60	5.60		
All Dimensions in mm				

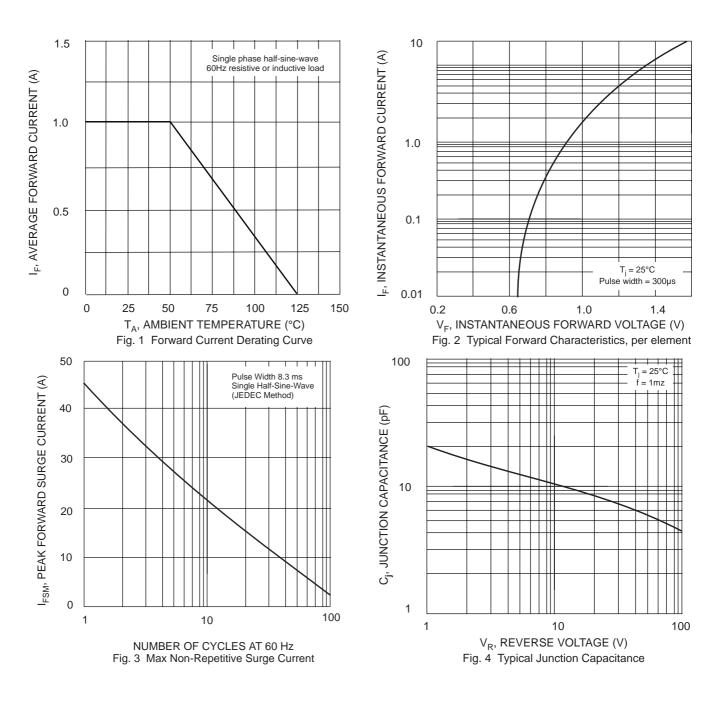


Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

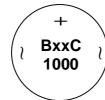
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	B40C 1000	B80C 1000	B125C 1000	B250C 1000	B380C 1000	B500C 1000	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	100	200	300	600	900	1200	٧
Input Voltage Recommended	VR(RMS)	40	80	125	250	380	500	٧
Average Rectified Output Current (Note 1) @T _A = 50°C	lo	1.0				Α		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM			4	5			А
Forward Voltage (per element) @I _F = 1.0A	VFM			1	.0			٧
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	IRM			-	.0 00			μΑ
Operating Temperature Range	Tj			-55 to	+125			°C
Storage Temperature Range	Тѕтс	-55 to +150				ç		

Note: 1. Leads maintained at ambient temperature at a distance of 9.5mm from the case.



MARKING INFORMATION



BxxC1000 = Device Number

= 40, 80, 125, 250, 380, 500 XX

Polarity = As Marked on Body

PACKAGING INFORMATION

BULK

	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
Ī	260 x 190 x 80	1,000	400 x 273 x 415	10,000	14.0

Note: 1. Paper box, white or brown color.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
B40C1000	Round Bridge	1000 Units/Box
B80C1000	Round Bridge	1000 Units/Box
B125C1000	Round Bridge	1000 Units/Box
B250C1000	Round Bridge	1000 Units/Box
B380C1000	Round Bridge	1000 Units/Box
B500C1000	Round Bridge	1000 Units/Box

- Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
- To order Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, B40C1000-LF.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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