

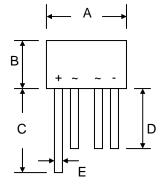


1.5A SINGLE PHASE BRIDGE RECTIFIER

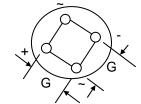


Features

- Diffused Junction
- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability
- Ideal for Printed Circuit Boards
- Recognized File # E157705



WOB					
Dim	Min	Max			
Α	8.60	9.10			
В	5.00	5.50			
С	21.90	_			
D	19.00	_			
E	0.69	0.80			
G	4.60	5.60			
All Dimensions in mm					



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

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

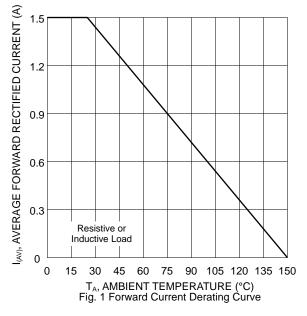
Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

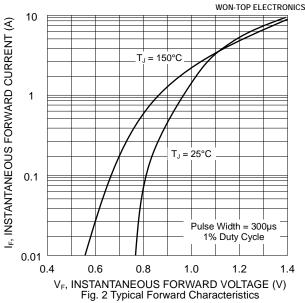
Characteristic	Symbol	RB150	RB151	RB152	RB154	RB156	RB158	RB1510	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	35	70	140	280	420	560	700	٧
Average Rectified Output Current @T _A = 25°C (Note 1)	lo	1.5				Α			
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	IFSM	50				Α			
Forward Voltage per element @I _F = 1.5A	VFM	1.1			V				
	IRM	5.0 500				μΑ			
I ² t Rating for Fusing (t < 8.3ms)	l ² t				10				A ² s
Typical Junction Capacitance per leg (Note 2)	C1				14				pF
Typical Thermal Resistance per leg (Note 1)	R JA R JL				36 11				°C/W
Operating and Storage Temperature Range	ТJ, Tsтg				55 to +15	0			°C

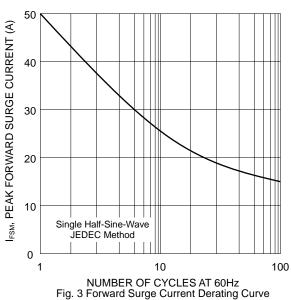
Note: 1. Mounted on $5.5 \times 5.5 \text{mm}$ FR-4 PCB and measured at lead length 9.5 mm from case.

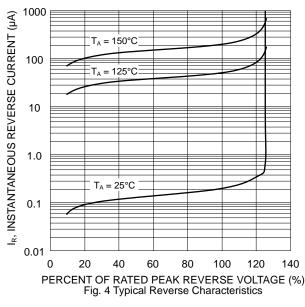
2. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

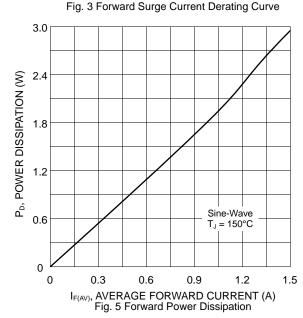


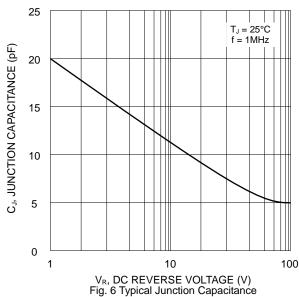














MARKING INFORMATION



RB15x = Device Number

x = 005, 01, 02, 04, 06, 08, 10 Polarity = As Marked on Body

PACKAGING INFORMATION

BULK

Inner Box Size	Quantity	Carton Size	Quantity	Approx. Gross Weight (KG)
L x W x H (mm)	(PCS)	L x W x H (mm)	(PCS)	
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
RB150	Round Bridge	1000 Units/Box
RB151	Round Bridge	1000 Units/Box
RB152	Round Bridge	1000 Units/Box
RB154	Round Bridge	1000 Units/Box
RB156	Round Bridge	1000 Units/Box
RB158	Round Bridge	1000 Units/Box
RB1510	Round Bridge	1000 Units/Box

- Shipping quantity given is for minimum packing quantity only. For minimum 1. order quantity, please consult the Sales Department.
- 2. To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, RB150-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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