

Product Catalog > [Diodes](#) > [Bridge Rectifiers](#) >

Part Number	RB153
product family	BRIDGE RECTIFIERS
package type	RB-15
VRM(PRV)	200V
Ifsm	50A
IF(AV)	1.5A
@Vf	1.0V
@If	1.5A
Trr	
IR	10 μ A
@VR	200V
Package Qty	Bulk: 1K/Box, 15K/Ctn .

This product is listed under the following categories where you may find similar products:
[Diodes](#)
[Bridge Rectifiers](#)



Micro Commercial Components

RB151 THRU RB157

Features

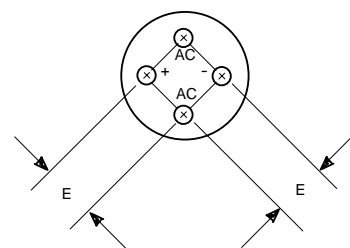
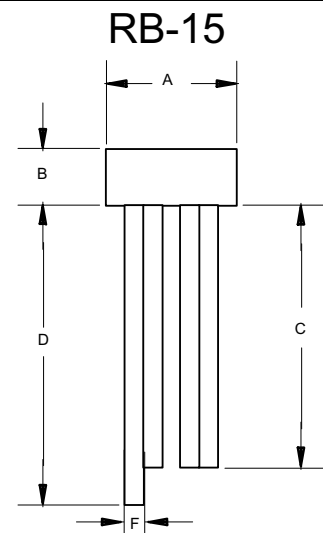
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material:Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Low Profile Package
- Any Mounting Position and Low Profile Package
- Silver Plated Copper Leads
- Surge Overload Rating of 50 Amps

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C
- Thermal Resistance Junction to Ambient : Rthja=40°C/W

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RB151	RB151	50V	35V	50V
RB152	RB152	100V	70V	100V
RB153	RB153	200V	140V	200V
RB154	RB154	400V	280V	400V
RB155	RB155	600V	420V	600V
RB156	RB156	800V	560V	800V
RB157	RB157	1000v	700V	1000v

1.5 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1.5A	$T_J = 25^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	50A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 1.5\text{A};$ $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10 μA 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

*Pulse test: Pulse width 300 μsec , Duty cycle 1%

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	---	.358	---	9.10	
B	---	.169	---	4.60	
C	1.000	---	25.40	---	
D	1.098	---	27.90	---	
E	.180	.220	4.60	5.60	
F	.028	.032	0.71	0.81	



Micro Commercial Components

Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

*****IMPORTANT NOTICE*****

Micro Commercial Components Corp . reserves the right to make changes without further notice to any product herein to make corrections, modifications , enhancements , improvements , or other changes .
Micro Commercial Components Corp . does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights ,nor the rights of others . The user of products in such applications shall assume all risks of such use and will agree to hold *Micro Commercial Components Corp* . and all the companies whose products are represented on our website, harmless against all damages.

*****APPLICATIONS DISCLAIMER*****

Products offer by *Micro Commercial Components Corp* . are not intended for use in Medical, Aerospace or Military Applications.