



Micro Commercial Components Corp.

Complete Discrete Semiconductor Solutions

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Part Number	RB151
product family	BRIDGE RECTIFIERS
package type	RB-15
VRM(PRV)	50V
Ifsm	50A
IF(AV)	1.5A
@Vf	1.0V
@If	1.5A
Trr	
IR	10μA
@VR	50V
Package Qty	Bulk: 1K/Box, 15K/Ctn .

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



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RB151 THRU RB157

Features

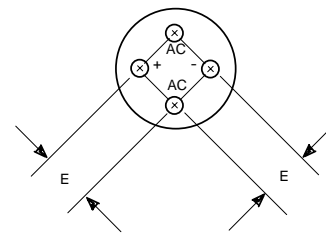
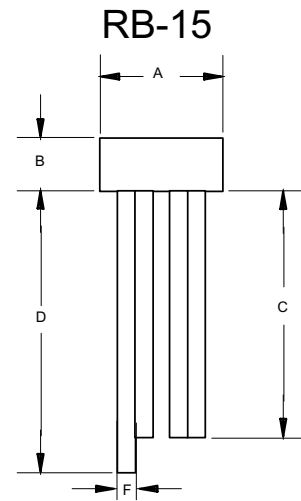
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- Case Material:Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Low Profile Package
- Any Mounting Position and Low Profile Package
- Silver Plated Copper Leads
- 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 : $R_{thja}=40^{\circ}\text{C/W}$

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	10μA 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		
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	



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Ordering Information

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

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