

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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DB151 THRU DB157

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
 4- pin DIP Package and Low Profile Package
- UL Recognized File # E165989
- High Surge Current Capability
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -55°C to +150°C Storage Temperature: -55°C to +150°C
- Thermal Resistance: Rthja:40°C/W; RthJL:15°C/W

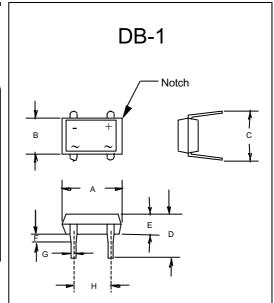
MCC		Maximum	Maximum	Maximum
Part	Device	Recurrent	RMS	DC
Number	Marking	Peak Reverse	Voltage	Blocking
		Voltage		Voltage
DB151	DB151	50V	35V	50V
DB152	DB152	100V	70V	100V
DB153	DB153	200V	140V	200V
DB154	DB154	400V	280V	400V
DB155	DB155	600V	420V	600V
DB156	DB156	800V	560V	800V
DB157	DB157	1000V	700V	1000V

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1.5 A	T _A = 40°C
Peak Forward Surge	I _{FSM}	50A	8.3ms, half sine
Current			
Maximum			
Instantaneous	V_{F}	1.1V	I _{FM} = 1.5A(Note 2)
Forward Voltage			T _A = 25°C
Maximum DC			
Reverse Current At	I_R	10μΑ	T _A = 25°C
Rated DC Blocking		500uA	T _A = 125°C
Voltage			
Typical Junction	C₁	25pF	Measured at
Capacitance			1.0MHz, V _R =4.0V

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7. 2.Pulse Test: Pulse Width 300µsec, Duty Cycle 1%

1.5 Amp Single Phase **Bridge Rectifier** 50 to 1000 Volts

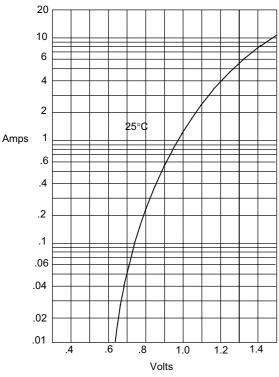


DIMENSIONS						
	INCHES		ММ			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.316	.335	8.05	8.51		
В	.245	.255	6.20	6.50		
С	.300	.350	7.60	8.90		
D	.236	.299	6.01	7.60		
Е	.102	.130	2.60	3.30		
F	.060		1.50		Тур	
G	.016	.022	.41	.56	Тур	
Н	.195	.205	5.00	5.20		

DB151 thru DB157

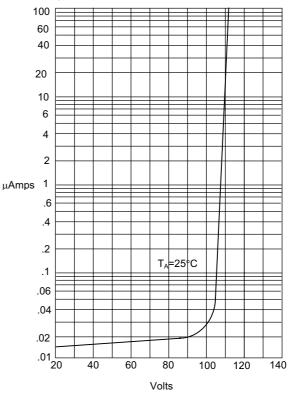


Figure 1 Typical Forward Characteristics

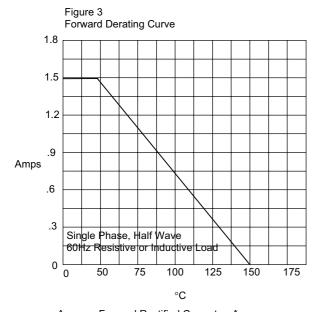


Instantaneous Forward Current - Amperes *versus* Instantaneous Forward Voltage - Volts

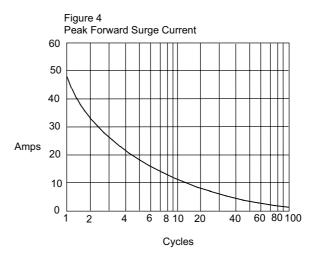
Figure 2 **Micro Commercial Components**Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperes *versus* Percent Of Rated Peak Reverse Voltage - Volts



Average Forward Rectified Current - Amperes versus Ambient Temperature - $^{\circ}C$



Peak Forward Surge Current - Amperes *versus* Number Of Cycles At 60Hz - Cycles



Ordering Information :

Device	Packing
Part Number-BP	Bulk: 2.5Kpcs/Box

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