

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
- 4-PIN DIP Package
- Glass Passivated Diode Construction
- UL Recognized File # E165989
- High Surge Current Capability Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and Rating 1

Maximum Ratings

- Operating Junction Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

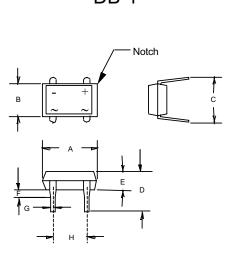
MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
DB101	DB101	50V	35V	50V
DB102	DB102	100V	70V	100V
DB103	DB103	200V	140V	200V
DB104	DB104	400V	280V	400V
DB105	DB105	600V	420V	600V
DB106	DB106	800V	560V	800V
DB107	DB107	1000V	700V	1000V

1 Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts DB-1

DB101

THRU

DB107



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	I _{F(AV)}	1 A	T _A = 40°C
Peak Forward Surge Current	I _{FSM}	50A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V _F	1.1V	I _{FM} = 1.0A; T _J = 25°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	10μΑ 0.5mA	T _J = 25°C T _J = 125°C
Typical Junction Capacitance	CJ	25pF	Measured at 1.0MHz, V _R =4.0V

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

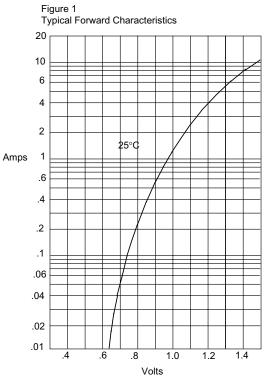
DIMENSIONS ММ INCHES DIM MIN MAX MIN MAX NOTE 316 8.05 8.51 A В .245 6.20 6.50 С .300 .350 7.60 8.90 .299 6.01 2.60 7.60 D .236 Тур F G .016 .41 5.00 56 Тур 195 205 5 20

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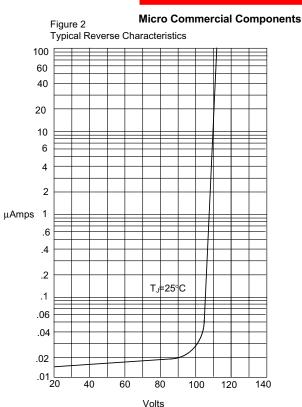
Revision: 12



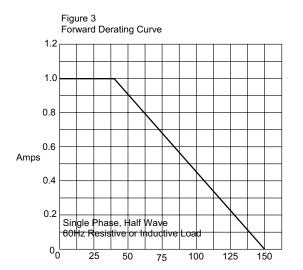
DB101 thru DB107



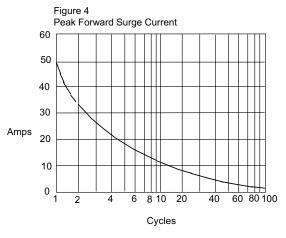
Instantaneous Forward Current - Amperes/ersus Instantaneous Forward Voltage - Volts



Instantaneous Reverse Leakage Current - MicroAmperesersus Percent Of Rated Peak Reverse Voltage - Volts



Average Forward Rectified Current - Ambient Temperature - C



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

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Revision: 12

2008/08/26



Ordering Information

Device	Packing	
(Part Number)-BP	Bulk;50pcs/tube	

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