

Micro Commercial Components



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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
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

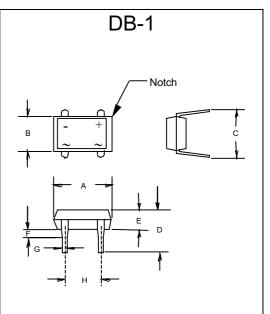
Maximum Ratings

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

	МСС	Device	Maximum	Maximum	Maximum			
C	atalog	Marking	Recurrent	RMS	DC			
N	umber		Peak Reverse	Voltage	Blocking			
			Voltage	-	Voltage			
C	DB101	DB101	50V	35V	50V			
С	DB102	DB102	100V	70V	100V			
D	DB103	DB103	200V	140V	200V			
D)B104	DB104	400V	280V	400V			
C	DB105	DB105	600V	420V	600V			
D	DB106	DB106	800V	560V	800V			
D	DB107	DB107	1000V	700V	1000V			

DB101 THRU DB107

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



DIMENSIONS

MIN

8.0

6.20

7.60

6.01

2.60

.41

5.00

INCHES

MA>

.255

350

.299

.130

.022

.205

MIN

316

.245

300

236

.102

.016

195

DIM

Α

В

D

E

G

мм

MAX

8.51

6.50

8.90

7.60

3.30

5.20

56

NOTE

Тур

Тур

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

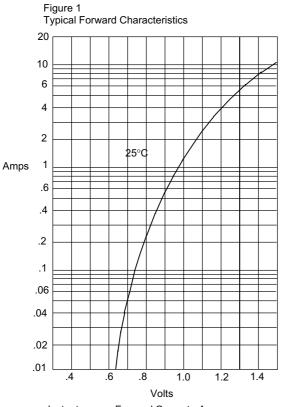
Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

www.mccsemi.com

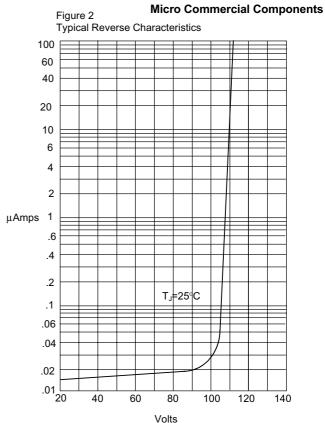
Revision: A



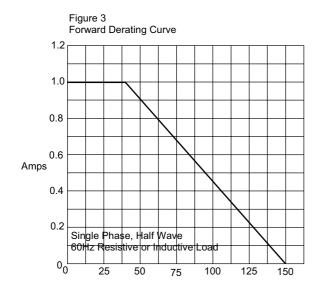
DB101 thru DB107



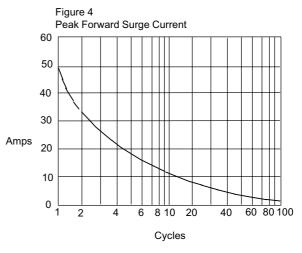
Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts



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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Ordering Information :

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

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