

Features

- Halogen Free. "Green" Device (Note 1)
- · Glass Passivated Chip Junction
- Low Profile Package
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note 2)("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings @ 25°C (Unless Otherwise Specified)

		Value						11.24	
Parameter	Symbol	DB 201L	DB 202L	DB 203L	DB 204L	DB 205L	DB 206L	DB 207L	Unit
Peak Repetitive Reverse Voltage	V_{RRM}								
Working Peak Reverse Voltage	V_{RWM}	50	100	200	400	600	800	1000	V
DC Blocking Voltage	V_R								
RMS Reverse Voltage	V _{RMS}	35	70	140	280	420	560	700	٧
Average Rectified Forward Current @ T _A =40°C	I _{F(AV)}				2				Α
Non-Repetitive Peak Surge Current @ 8.3ms Half Sine Wave					60				Α
Non-Repetitive Peak Surge Current @ 1ms Square Wave	I _{FSM}	120						A	
Current Squared Time @1ms≤t≤8.3ms	l ² t	15			A ² s				

Marking Code

Part Number	Marking Code
DB201L	DB201L
DB202L	DB202L
DB203L	DB203L
DB204L	DB204L
DB205L	DB205L
DB206L	DB206L
DB207L	DB207L

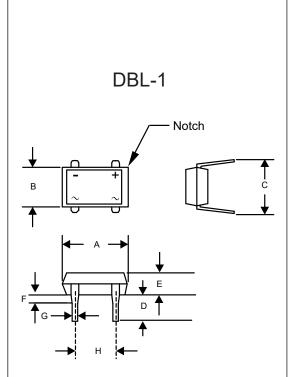
Internal Structure

Simplified Out	line	Graphic Symbol		
		- 9 9		
MCC.		*		
XXXXXX		* *		
	XXXXXX = Marking Code			

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

2. High temperature solder exemption applied, see EU directive annex 7a.

2 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



	DIMENSIONS						
DIM	INC	INCHES		М	NOTE		
Dilvi	MIN	MAX	MIN	MAX	NOTE		
Α	0.316	0.335	8.05	8.51			
В	0.245	0.255	6.20	6.50			
С	0.300	0.350	7.60	8.90			
D	0.150	0.185	3.81	4.69			
Е	0.093	0.096	2.35	2.45			
F	0.050	0.080	1.27	2.03			
G	0.018	0.023	0.46	0.56			
Н	0.195	0.205	5.00	5.20			



Thermal characteristics

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
T _J	Operating Junction Temperature Range		-55		150	°C
T _{stg}	Storage Temperature Range		-55		150	°C
Rth _(J-L)	Thermal Resistance from Junction to Lead	Note 1		15		°C/W
Rth _(J-A)	Thermal Resistance from Junction to Ambient	Note 1		45		°C/W

Note:

Electrical Characteristics @ 25°C Unless Otherwise Specified(Per Diode)

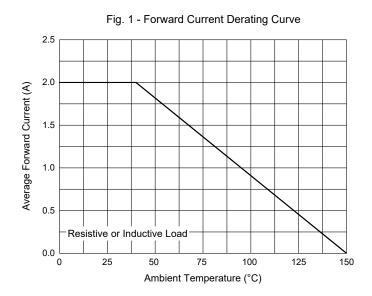
Parameter	Symbol	Test Conditions	Min	Тур	Max	Unit
Forward Voltage	V _F	I _F =1A;T _J =25°C			1.1	V
Reverse Current	I _R	at Rated $V_R;T_J=25^{\circ}C$ at Rated $V_R;T_J=125^{\circ}C$			10 100	μА
Junction Capacitance	CJ	V _R =4V;f=1MHz;T _J =25°C		18		pF

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^{1.}Device mounted on P.C.B with 35mm*25mm*1.7mm.

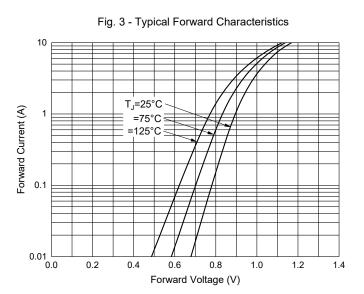


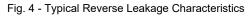
Curve Characteristics



We would be seen as a single Half Sine-Wave to the single Half Sine-Wave Number of Cycles at 60 Hz

Fig. 2 - Maximum Non-Repetitive Peak Forward Surge Current





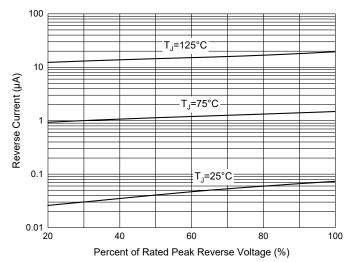
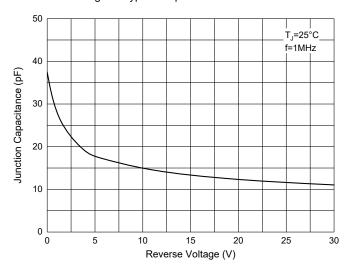


Fig. 5 - Typical Capacitance Characteristics





Ordering Information

Device	Packing
Part Number-BP	Bulk:50pcs/Tube,2500pcs/Box,10Kpcs/Carton

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