- OL Necognized i ile # L-320034

- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC

- Halogen-free according to IEC 61249-2-21 definition

MECHANICAL DATA

Case: Molded plastic body

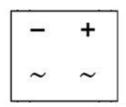
Molding compound, UL flammability classification rating 94V-0

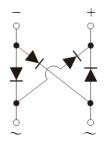
Base P/N with suffix "G" on packing code - halogen-free

Terminal: Matte tin plated leads, solderable per JESD22-B102

Meet JESD 201 class 1A whisker test **Polarity:** Polarity as marked on the body

Weight: 0.36 g (approximately)





DBL

MAXIMUM RATINGS AND ELECTRICAL CHAR		DBL	DBL	DBL	DBL	DBL	DE
PARAMETER	SYMBOL	101G	102G	103G	104G	105G	10
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	80
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	56
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	80
Maximum average forward rectified current	I _{F(AV)}		_	_	1		
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}			40			
Rating for fusing (t<8.3ms)	l ² t			6.64			
Maximum instantaneous forward voltage (Note 1) I _F = 1 A	V _F				1.1		
Maximum DC reverse current T_J =25 $^{\circ}$ Cat rated DC blocking voltage T_J =125 $^{\circ}$ C	I _R				2 500		
Typical junction capacitance Per Leg (Note 2)	Cj				25		
Typical thermal resistance	R _{θjL} R _{θjA}	15 40					
Operating junction temperature range	T _J	- 55 to +150					
Storage temperature range	T _{STG}				55 to +15	50	

Note 1: Pulse Test with PW=300µs,1% Duty Cycle

Note 2: Measure at 1.0MHz and Applied Reverse Voltage of 4.0 Volts D.C.

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EXAMPLE								
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIPTIO				
DBL107G C1	DBL107G	C1						
DBL107G C1G	DBL107G	C1	G	Green compour				

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

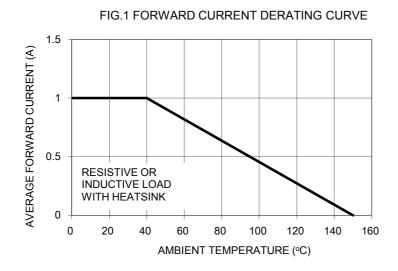
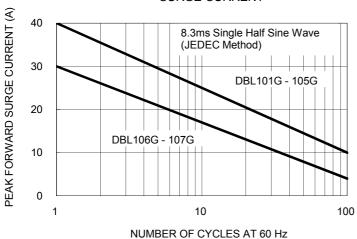
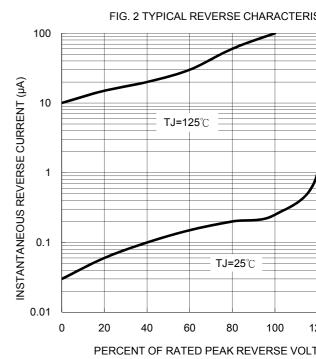
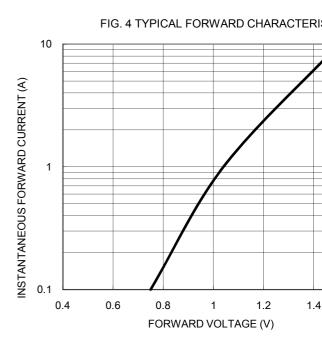
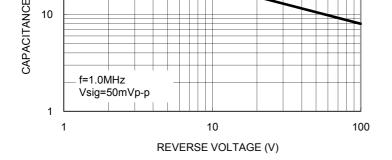


FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

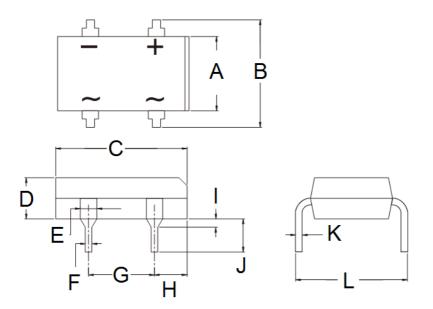








PACKAGE OUTLINE DIMENSIONS



DIM.	Unit	(mm)	Unit (inc		
	Min	Max	Min	ľ	
Α	6.20	6.50	0.244	0	
В	7.24	8.00	0.285	0	
С	8.12	8.51	0.320	0	
D	2.40	2.60	0.094	0	
Е	0.89	1.14	0.035	0	
F	0.46	0.58	0.018	0	
G	5.00	5.20	0.197	0	
Н	1.39	1.90	0.055	0	
I	1.27	2.03	0.050	0	
J	3.81	4.69	0.150	0	
K	0.22	0.33	0.009	0	
L	7.60	8.90	0.299	0	

MARKING DIAGRAM



P/N = Specific Device Code

G = Green Compound

YW = Date Code

F = Factory Code

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