



Glass Passivated Bridge Rectifiers

FEATURES

- Ideal for automated placement
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- UL Recognized File # E-326854
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition



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

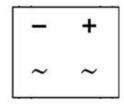
Weight: 0.38 g (approximately)

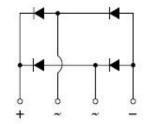












					T	- DD:	55.	- n		- n	
PARAMETER	SYMBOL	DBL	DBL	DBL	DBL	DBL	DBL	DBL	DBL	DBL	UNIT
TANAMETER	011111111111111111111111111111111111111	201G	202G	203G	204G	205G	206G	207G	208G	209G	
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	800	1000	1200	1400	V
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	560	700	840	980	V
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	800	1000	1200	1400	V
Maximum average forward rectified current	I _{F(AV)}					2.0	•				Α
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	50				Α					
Rating for fusing (t<8.3ms)	l ² t					10.3					A^2s
Maximum instantaneous forward voltage (Note 1) I _F = 2 A	V _F	1.15 1.30			30	V					
Maximum DC reverse current T_J =25 $^{\circ}$ C at rated DC blocking voltage T_J =125 $^{\circ}$ C	I _R	2 500				μΑ					
Typical thermal resistance	$R_{ heta jL} \ R_{ heta jA}$	15 40				°C/W					
Operating junction temperature range	T _J	- 55 to +150			оС						
Storage temperature range	T _{STG}				- {	55 to +1	50				οС

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

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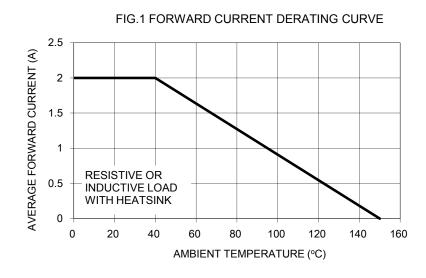
ORDERING INFORMATION							
PART NO.	PACKING CODE	GREEN COMPOUND CODE	PACKAGE	PACKING			
DBL20xG (Note 1)	C1	Suffix "G"	DBL	50 / TUBE			

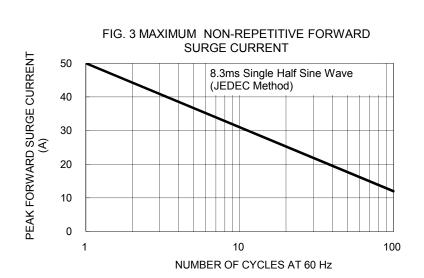
Note 1: "x" defines voltage from 50V (DBL201G) to 1400V (DBL209G)

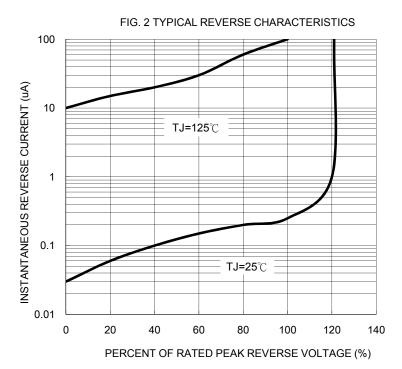
EXAMPLE							
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIPTION			
DBL207G C1	DBL207G	C1					
DBL207G C1G	DBL207G	C1	G	Green compound			

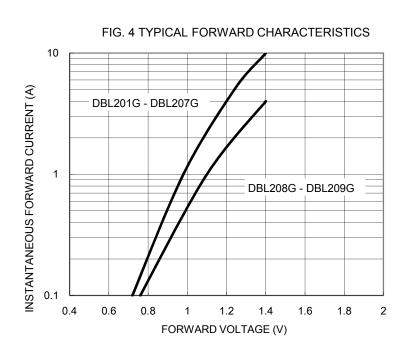
RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)





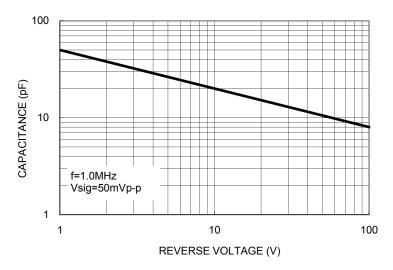




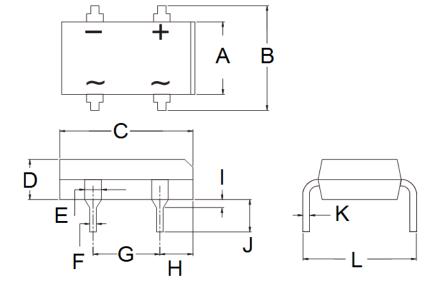
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FIG. 5 TYPICAL JUNCTION CAPACITANCE



PACKAGE OUTLINE DIMENSIONS



DIM.	Unit	(mm)	Unit (inch)			
DIIVI.	Min	Max	Min	Max		
Α	6.20	6.50	0.244	0.256		
В	7.24	8.00	0.285	0.315		
С	8.12	8.51	0.320	0.335		
D	2.40	2.60	0.094	0.102		
E	0.89	1.14	0.035	0.045		
F	0.46	0.58	0.018	0.023		
G	5.00	5.20	0.197	0.205		
Н	1.39	1.90	0.055	0.075		
I	1.27	2.03	0.050	0.080		
J	3.81	4.69	0.150	0.185		
K	0.22	0.33	0.009	0.013		
L	7.60	8.90	0.299	0.350		

MARKING DIAGRAM



P/N = Specific Device Code

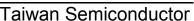
G = Green Compound

YW = Date Code

= Factory Code

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