- riigii 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

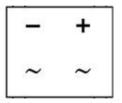
Terminal: Matte tin plated leads, solderable per JESD22-B102

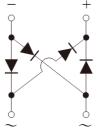
Meet JESD 201 class 1A whisker test **Polarity:** Polarity as marked on the body

Weight: 0.36 g (approximately)









- 55 to + 150

PARAMETER	SYMBOL	HDBL	HDBL	HDBL	HDBL	HDBL	ΗГ
PARAIVIE I ER	3 TIVIBUL	101G	102G	103G	104G	105G	10
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	400	600	8
Maximum RMS voltage	V _{RMS}	35	70	140	280	420	5
Maximum DC blocking voltage	V _{DC}	50	100	200	400	600	8
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}	50					
Rating for fusing (t<8.3ms)	l ² t		10.3				
Maximum instantaneous forward voltage (Note 1) I_F = 1 A	V _F	1.0 1.3			1		
Maximum DC reverse current T_J =25 $^{\circ}$ C at rated DC blocking voltage T_J =125 $^{\circ}$ C	I _R	5 500					
Maximum reverse recovery time (Note 2)	Trr	50				7	
Typical thermal resistance	$R_{ hetajL}$ $R_{ hetajA}$	15 40					
Operating junction temperature range	T _J	- 55 to + 150					
							

 $\mathsf{T}_{\mathsf{STG}}$

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

Storage temperature range

Notes 2: Reverse Recovery Test Conditions: I_F =0.5A, I_R =1.0A, I_{RR} =0.25A

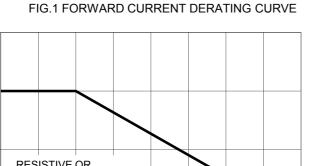
Document Number: DS_D1311010

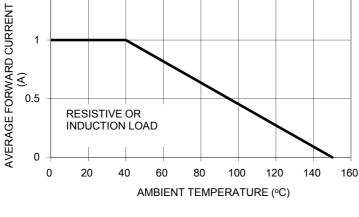
EXAMPLE				
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIPT
HDBL107G C1	HDBL107G	C1		
HDBL107G C1	HDBL107G	C1	G	Green compo

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)

1.5





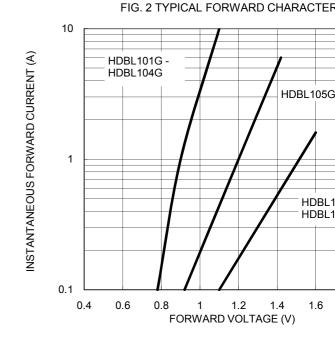
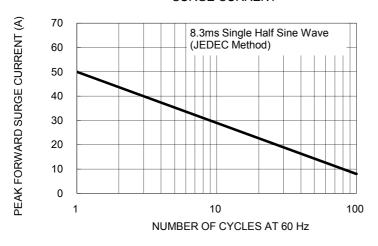
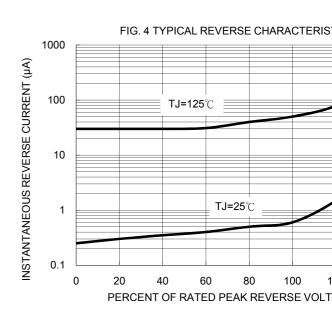
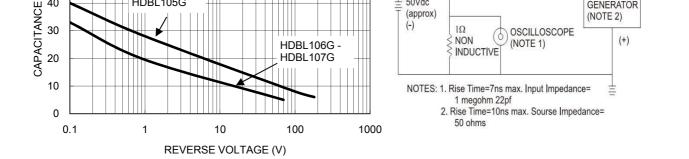


FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

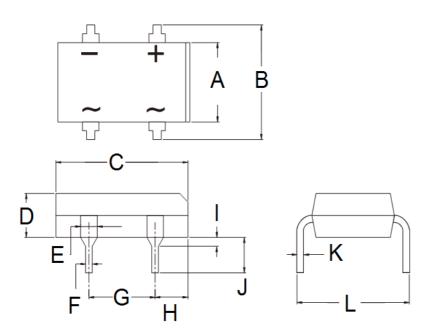




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PACKAGE OUTLINE DIMENSIONS



DIM.	Unit	Unit (in		
DIIVI.	Min	Max	Min	
Α	6.20	6.50	0.244	
В	7.24	8.00	0.285	
С	8.12	8.51	0.320	
D	2.40	2.60	0.094	
Е	0.89	1.14	0.035	
F	0.46	0.58	0.018	
G	5.00	5.20	0.197	
Н	1.39	1.90	0.055	
I	1.27	2.03	0.050	
J	3.81	4.69	0.150	
K	0.22	0.33	0.009	
L	7.600	8.90	0.299	

-0.25A

-1.0A

MARKING DIAGRAM



P/N = Specific Device Code

G = Green Compound

YW = Date Code

F = Factory Code

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