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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2A, 50V - 1400V 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



DBLS





MECHANICAL DATA

Case: Molded plastic body

Molding compound, UL flammability classification rating 94V-0

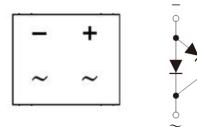
Moisture sensitivity level: level 1, per J-STD-020 Part no. with suffix "H" means AEC-Q101 qualified

Packing code with suffix "G" means green compound (halogen-free) **Terminal:** Matte tin plated leads, solderable per JESD22-B102

Meet JESD 201 class 2 whisker test

Polarity: Polarity as marked on the body

Weight: 0.36 g (approximately)



		TICS (T _A =25°C unless otherwise noted) DBLS DBLS DBLS DBLS DBLS DBLS DBLS DBLS					DRIG	DRIG	DRIG	DRIC	i
PARAMETER	SYMBOL										UNIT
		201G	202G	203G	204G	205G	206G	207G	208G	209G	0
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					Α
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}					50					А
Rating for fusing (t<8.3ms)	I ² t					10.3					A^2s
Maximum instantaneous forward voltage (Note 1) I_F = 2 A	V _F				1.15				1.3	30	V
Maximum reverse current @ rated V_R T_J =25°C T_J =125°C	I _R					2 500					μΑ
Typical thermal resistance	$R_{ heta JL} \ R_{ heta JA}$					15 40					°C/W
Operating junction temperature range	TJ				- ;	55 to +1	50				°C
Storage temperature range	T _{STG}				- ;	55 to +1	50				°C

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



ORDERING INFORMATION						
PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX ^(*)	PACKAGE	PACKING	
DBLS20xG	Ц	C1	G	DBLS	50 / TUBE	
(Note 1)	''	RD	9	DDLO	1,500 / 13" Paper reel	

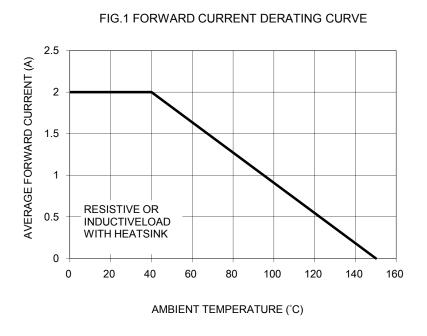
Note 1: "x" defines voltage from 50V (DBLS201G) to 1400V (DBLS209G)

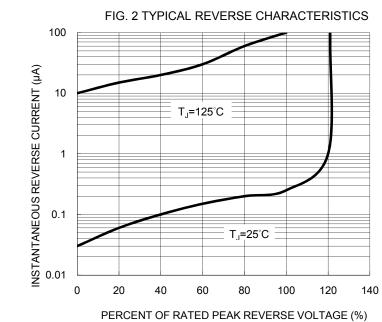
^{*:} Optional available

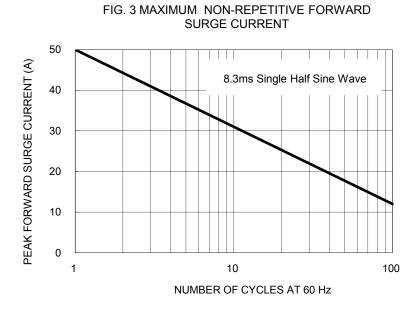
EXAMPLE					
PREFERRED P/N	PART NO.	PART NO. SUFFIX	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION
DBLS207GHRDG	DBLS207G	Н	RD	G	AEC-Q101 qualified Green compound

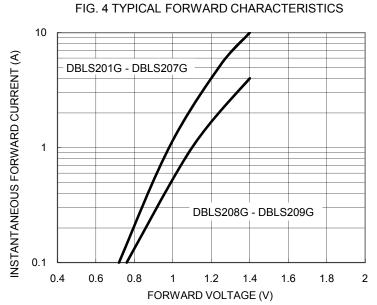
RATINGS AND CHARACTERISTICS CURVES

(T_A=25°C unless otherwise noted)





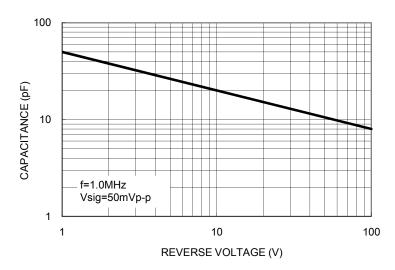




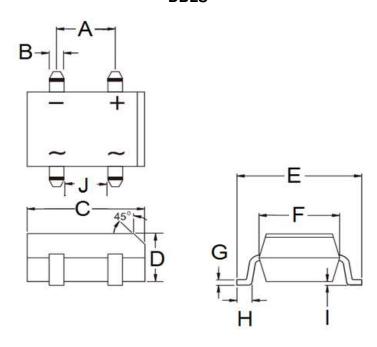
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FIG. 5 TYPICAL JUNCTION CAPACITANCE

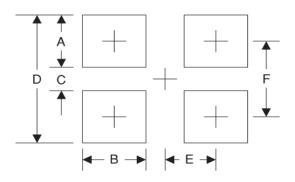


PACKAGE OUTLINE DIMENSIONS DBLS



DIM.	Unit	(mm)	Unit (inch)		
Dilvi.	Min	Max	Min	Max	
Α	5.00	5.20	0.197	0.205	
В	1.02	1.20	0.040	0.047	
С	8.13	8.51	0.320	0.335	
D	2.40	2.60	0.094	0.102	
Е	9.80	10.30	0.386	0.406	
F	6.20	6.50	0.244	0.256	
G	0.22	0.33	0.009	0.013	
Н	1.02	1.53	0.040	0.060	
I	0.076	0.33	0.003	0.013	
J	3.90	4.10	0.154	0.161	

SUGGESTED PAD LAYOUT



Symbol	Unit (mm)	Unit (inch)
Α	2.3	0.091
В	1.3	0.051
С	6.9	0.272
D	11.5	0.453
Е	2.6	0.102
F	9.2	0.362

MARKING DIAGRAM



P/N = Specific Device Code G = Green Compound

YW = Date Code

F = Factory Code

Document Number: DS_D1310039





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