



Glass Passivated Bridge Rectifiers

FEATURES

- Glass passivated junction
- Ideal for automated placement
- Reliable low cost construction utilizing molded plastic technique
- High surge current capability
- Moisture sensitivity level: level 1, per J-STD-020
- 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
- AEC-Q101 qualified



Case: Molded plastic body

Molding compound, UL flammability classification rating 94V-0 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

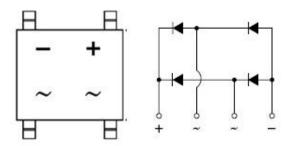
Weight: 0.12 g (approximately)



ABS







MAXIMUM RATINGS AND ELECTRICAL CHA	RACTERISTI	CS (T _A =25	5°C unless	otherwise r	noted)		
PARAMETER	SYMBOL	ABS2	ABS4	ABS6	ABS8	ABS10	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	200	400	600	800	1000	V
Maximum RMS voltage	V_{RMS}	140	280	420	560	700	V
Maximum DC blocking voltage	V_{DC}	200	400	600	800	1000	V
Maximum average forward rectified current On glass-epoxy On aluminum substrate	I _{F(AV)}			0.8 1.0			А
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	30			А		
Rating for fusing (t<8.3ms)	l ² t	3.74			A ² s		
Maximum instantaneous forward voltage (Note 1) I_F = 0.4 A	V _F	0.95				V	
Maximum DC reverse current T_J =25 °C at rated DC blocking voltage T_J =125 °C	I _R	I _R 10 150			μA		
Typical thermal resistance	$R_{ hetaJL}$ $R_{ hetaJA}$	25 80			°C/W		
Operating junction temperature range	T _J	- 55 to +150			°C		
Storage temperature range	T _{STG}	- 55 to +150			°C		

Note 1: Pulse test with PW=300µs, 1% duty cycle

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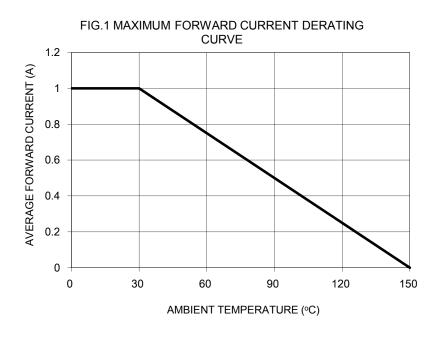
ORDERING INFORMATION					
PART NO.	PACKING CODE	PACKING CODE SUFFIX	PACKAGE	PACKING	
ABSxx	RE	G	ABS	1,000 / 7" Plastic reel	
(Note 1)	RG	9	ABS	5,000 / 13" Paper reel	

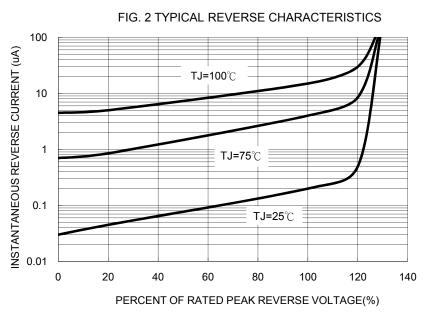
Note 1: "xx" defines voltage from 200V (ABS2) to 1000V (ABS10)

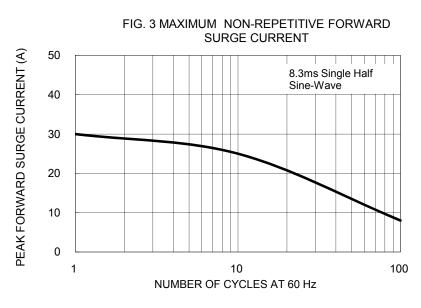
EXAMPLE				
PREFERRED P/N	PART NO.	PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION
ABS8 REG	ABS8	RE	G	AEC-Q101 qualified Green compound

RATINGS AND CHARACTERISTICS CURVES

(TA=25 $^{\circ}$ C unless otherwise noted)







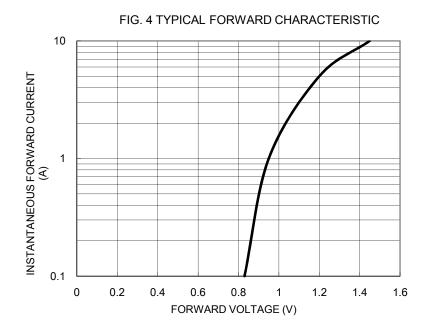
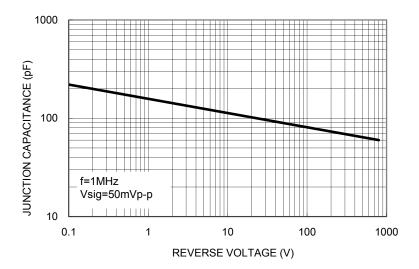
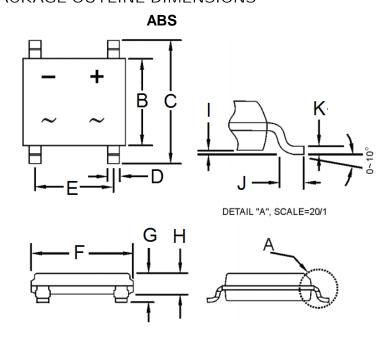




FIG. 5 TYPICAL JUNCTION CAPACITANCE

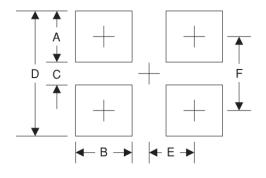


PACKAGE OUTLINE DIMENSIONS



DIM.	Unit	(mm)	Unit (inch)		
DIIVI.	Min	Max	Min	Max	
В	4.30	4.50	0.169	0.177	
С	6.25	6.65	0.246	0.262	
D	0.60	0.70	0.024	0.028	
E	3.90	4.10	0.154	0.161	
F	4.90	5.10	0.193	0.200	
G	1.40	1.60	0.055	0.063	
Н	1.35	1.45	0.053	0.057	
I	0.05	0.15	0.002	0.006	
J	0.30	0.70	0.012	0.028	
K	0.15	0.25	0.006	0.010	

SUGGESTED PAD LAYOUT



Symbol	Unit (mm)	Unit (inch)
Α	1.5	0.059
В	0.9	0.035
С	4.22	0.166
D	7.22	0.284
E	2.05	0.081
F	5.72	0.225

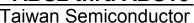
MARKING DIAGRAM



P/N = Specific Device Code

YW = Date Code

F = Factory Code





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