

Maximum Ratings and Electrical Characteristics (@TA = +25°C, unless otherwise specified.)

Single phase, half wave, 60Hz, resistive or inductive load.

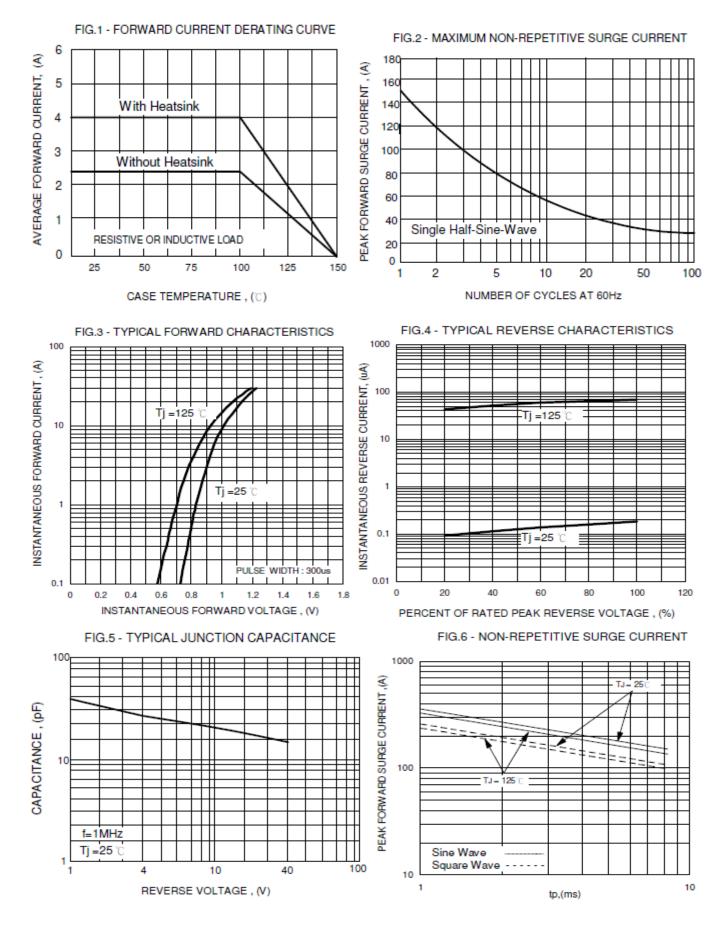
Characteristic Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Symbol	Value	Unit
		Vrrm Vrwm Vr	1,000	V
RMS Reverse Voltage		V _{R(RMS)}	700	V
Average Forward Rectified Current (Note 4)	With Heatsink Without Heatsink	I(AV)	4.0 2.4	A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load		I _{FSM}	150	А
Forward Voltage (Per Element)	@ I _F = 2.0A	V _{FM}	1.0	V
Peak Reverse Current at Rated DC Blocking Vo	oltage @T _J = +25°C @TJ=+125°C	I _R	5 500	μA
I ² t Rating for Fusing (Note 5)		l ² t	93	A ² s
Typical Total Capacitance per Element (Note 6)		CT	35	pF
Typical Thermal Resistance Junction to Case (Note 4)		R _{θJC}	4.2	°C/W
Typical Thermal Resistance Junction to Lead		R _{θJL}	4.0	°C/W
Typical Thermal Resistance Junction to Ambient (Note 4)		R _{θJA}	10	°C/W
Operating and Storage Temperature Range		TJ, TSTG	-55 to +150	°C

Notes:

Unit mounted on 50x50x1.6mm Cu plate heatsink.
Non-repetitive, for t > 3.0ms and < 8.3ms.
Measured at 1.0MHz and applied reverse voltage of 4.0V DC.



NEW PRODUCT

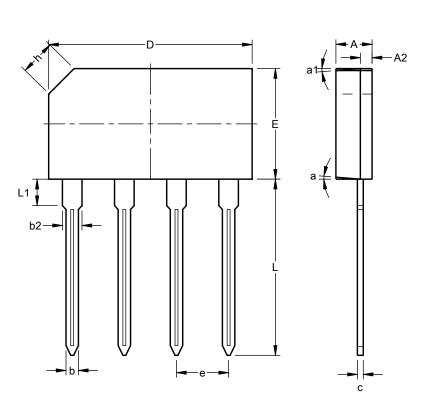


GBL410



Package Outline Dimensions

Please see http://www.diodes.com/package-outlines.html for the latest version.



GBL					
Dim	Min	Max	Тур		
Α	3.30	3.70			
A2	0.80	1.20			
b	1.02	1.27			
b2	1.95	2.35			
c	0.40	0.60			
D	20.20	20.80			
Е	10.70	11.30			
e	4.83	5.33			
h			0.35		
L	17.50	18.00			
L1	2.30	2.70			
а		5°			
a1		5°			
All Dimensions in mm					

GBL



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