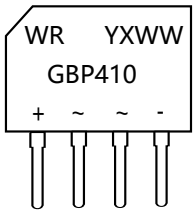
World International (China) Limited

Soft-Bridge®

WRGBP410-S

23-NOV-2017

Ultrasoft Recovery Bridge



Features

- Glass Passivated Chip Junction
- Reverse Voltage - 1000 V
- Forward Current - 4A
- High Surge Current Capability
- Designed For Surface Mount Application

PINNING

PIN	DESCRIPTION
1	Input Pin（~）
2	Input Pin（~）
3	Output Anode（+）
4	Output Cathode（-）

Benefits

- Case: GBP
- Terminals: Solderable Per MIL-STD-750

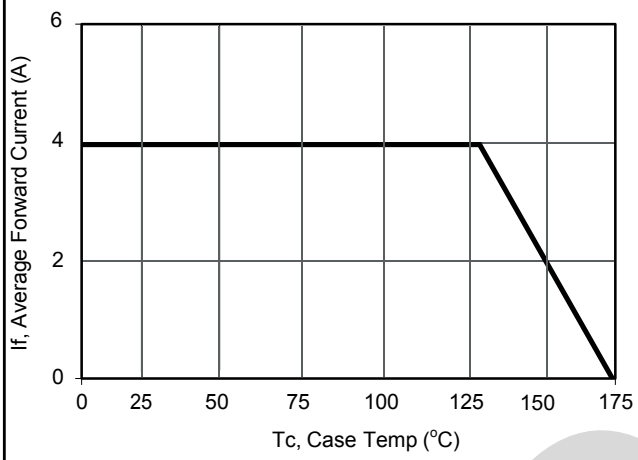
Maximum Ratings and Electrical characteristics

Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.

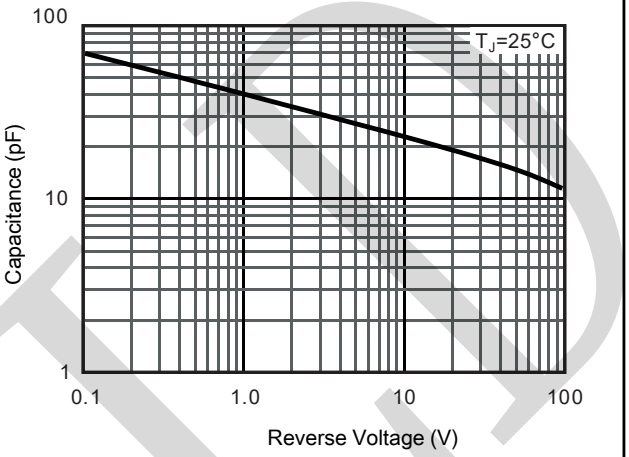
Parameter	Symbols	WRGBP410-S	Units
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Average Rectified Output Current	I_o	4.0	A
Reverse Recovery Time. IF=0.5A,IR=1A,IRR=0.25A	Trr	10	us
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	I_{FSM}	110	A
I^2t rating for fusing (1ms< t < 10ms)	I^2t	60.5	A^2S
Maximum Forward Voltage at2.0 A	V_F	1.0	V
Maximum DC Reverse Current @TA=25 °C at Rated DC Blocking Voltage @TA=125 °C	I_R	5 100	μA
Typical Junction Capacitance（Note1）	C_j	40	pF
Operating and Storage Temperature Range	T_j, T_{stg}	-55 ~ +150	°C

Note: 1. Measured at 1MHz and applied reverse voltage of 4 VDC.

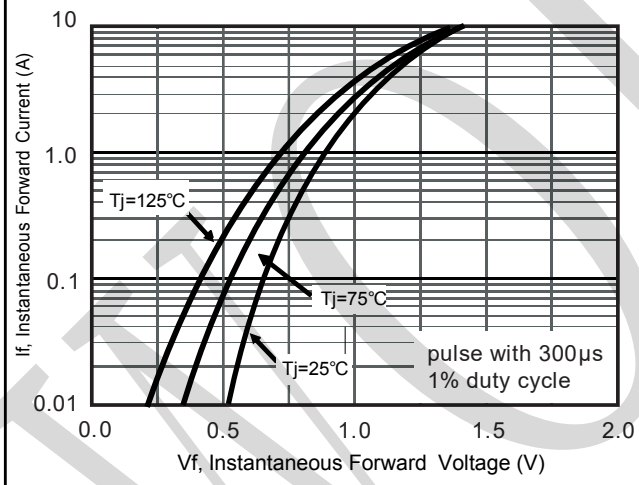
RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)



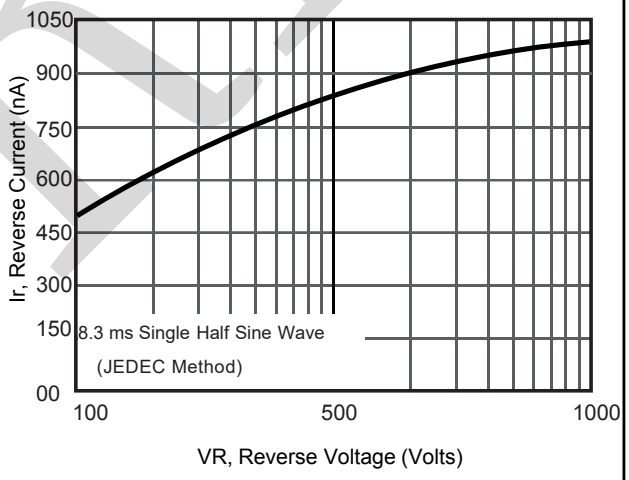
Current Derating, Case



Typical Junction Capacitance



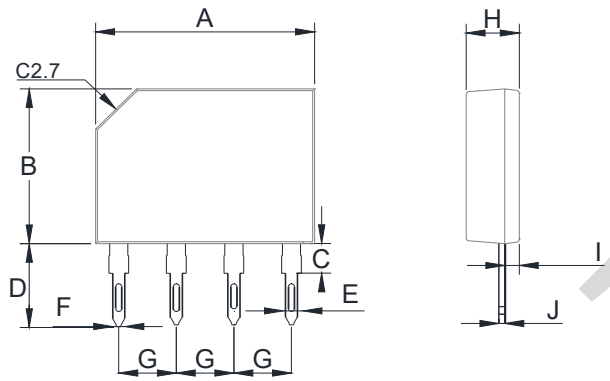
Typical Forward Voltage



Typical Reverse Current

PACKAGE OUTLINE DIMENSIONS

GBP



Dimensions in millimeters

Note: Short feet

GBP		
Dim	**Min**	**Max**
A	14.25	14.75
B	10.10	10.90
C	1.80	2.20
D	5.0	6.2
E	1.22	1.42
F	0.76	0.86
G	3.70	3.90
H	3.35	3.65
I	0.80	1.10
J	0.35	0.55