

JIANGSU CHANGJING ELECTRONICS TECHNOLOGY CO., LTD

GBP Plastic-Encapsulate Bridge Rectifier

GBP2005 THRU GBP210 General Purpose Bridge Rectifier

Features

•l₀ 2.0A

●VRRM 50V-1000V

High surge current capability

•Glass passivated chip

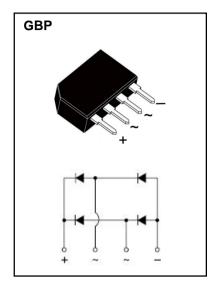
Applications

 General purpose 1 phase Bridge rectifier applications

Marking

• GBP2XX

XX: From 005 To 10



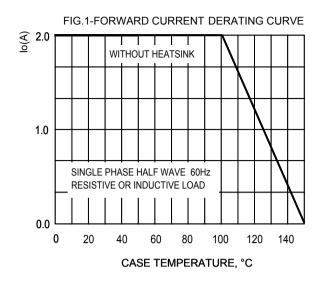
Limiting Values (Absolute Maximum Rating)

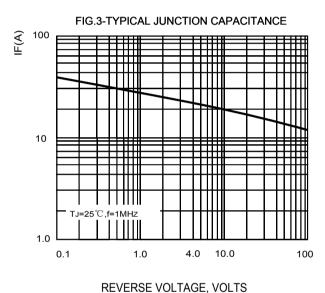
Item	Symbol	Unit	Conditions		GBP2						
					005	01	02	04	06	80	10
Repetitive Peak Reverse Voltage	V _{RRM}	V			50	100	200	400	600	800	1000
Average Rectified Output Current	Io	А	60Hz sine wave, R- load	Tc=100°C	2.0						
Surge(Non- repetitive)Forward Current	I _{FSM}	А	60H _Z sine wave,	1 cycle, T _j =25°C	60						
Current Squared Time	l ² t	A ² S	1ms≤t<8.3ms Tj=25℃	Rating of per diode	15						
Storage Temperature	T _{stg}	$^{\circ}$			-55 ~+150						
Junction Temperature	Tj	$^{\circ}\!\mathbb{C}$			-55 ~+150						

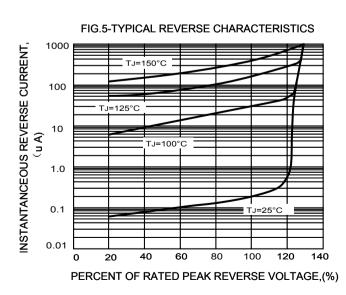
Electrical Characteristics $(T_a=25^{\circ}C$ Unless otherwise specified)

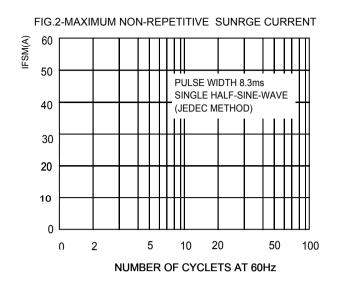
Item	Symbol	Unit	Test Condition	Max	
Peak Forward Voltage	V _{FM}	V	I _{FM} =2.0A, Pulse measurement, Rating of per diode	1.1	
Peak Reverse Current	I _{RRM}	μА	$V_{\text{RM}} = V_{\text{RRM}}$, Pulse measurement, Rating of per diode	10	
Thermal Resistance	R θ J-A	°C/W	Between junction and ambient	47	
	R θ J-C	C/VV	Between junction and lead	10	

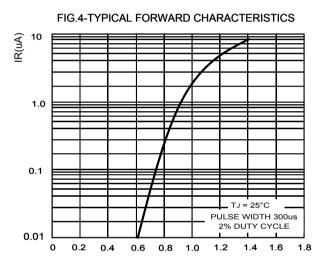
Typical Characteristics



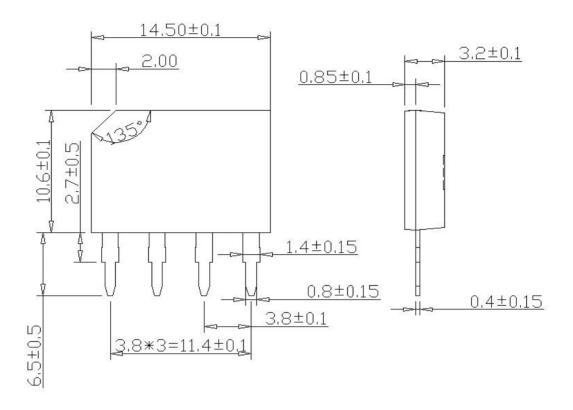








INSTANTANEOUS FORWARD VOLTAGE, VOLTS



Dimensions in inches and (milimeters)

NOTICE

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