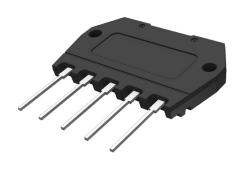
Glass Passivated 3 Phase Bridge Rectifier





Features

- · Glass passivated chip, high reliability
- Low forward voltage drop
- Insulation voltage 2,500V
- Small size and light weight
- · Small thermal resistance, high thermal conductivity and low temperature rise

Applications

- · Power supply of DC equipment
- · Input rectifier for PWM converter
- DC motor

Maximum Ratings And Electrical Characteristics

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

Characteristic	Symbol	HGBJ3508	HGBJ3510	HGBJ3512	HGBJ3516	Unit	
Voltage Ratings							
Peak Repetitive Voltage	Vrrm	800	1,000	1,200	1,600	V	
Peak Non-Repetitive Reverse Voltage	VRSM	900	1,100	1,300	1,700		
Forward Conduction							
Maximum Average Forward Rectified Current @Tc = 110°C	I F(AV)	35				A	
Peak Forward Surge Current t=8.3ms at 60Hz	IFSM	400					
I ² t Rating for Fusing	l²t	660			A ² s		
Maximum Forward Voltage drop per element at 25A Peak	VF	1.1			V		
Reverse peak current VR = VRRM @ TJ = 25°C VR = VRRM @ TJ = 150°C	lR	5 3				μA mA	
RMS Isolation Voltage from Case to Lead	Viso	2,500			V		
Typical Thermal Resistance (Note1)	Rejc	0.8			°C/W		
Mounting torque M3	M _d	0.8			N.m		
Weight	W _t	10			g		
Thermal Characteristics							
Operating Temperature Range	TJ	FF to 14F0			T °C		
Storage Temperature Range	Тѕтс	-55 to +150					

Notes: 1. Thermal resistance junction to case.

2. The typical data above is for reference only

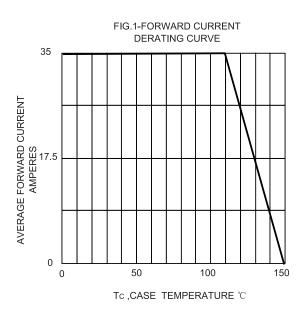
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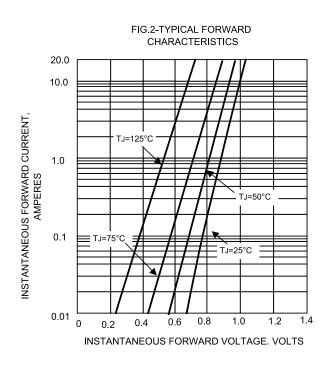


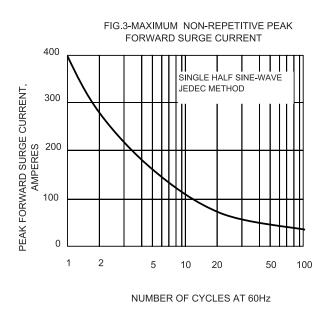
Glass Passivated 3 Phase Bridge Rectifier

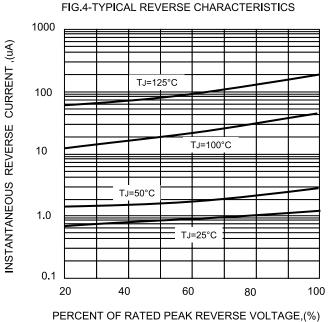


Rating and Characteristic Curves









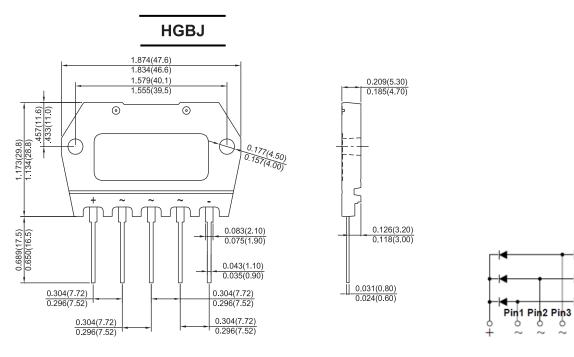
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Dimension:



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
	HGBJ3508	
Class Descripted 2 Dhase Bridge Destifier	HGBJ3510	
Glass Passivated 3 Phase Bridge Rectifier	HGBJ3512	
	HGBJ3516	

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