

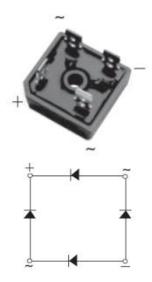
Single Phase Bridge

FEATURES

- · High surge current capability
- · Low thermal resistance
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

General purpose use in AC/DC bridge full wave rectification for power supply, home appliances, office equipment, industrial automation applications.



ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage		600	V
I _{F(AV)}	Average Forward Current	60Hz sine wave, R-load, With heatsink,T _C =55°C	35	А
I _{FSM}	Surge Forward Current	60HZ Half- sine Wave, 1 cycle, T _a =25℃	400	А
I ² t	I ² t for fusing	1ms≤t≤8.3ms,Tj=25°C, Rating of per diode	660	KA ₂ s
T _J	Junction Temperature		-55~150	$^{\circ}$
T _{stg}	Storage Temperature Range		-55~150	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	1.35	°C/W

ELECTRICAL CHARACTERISTICS

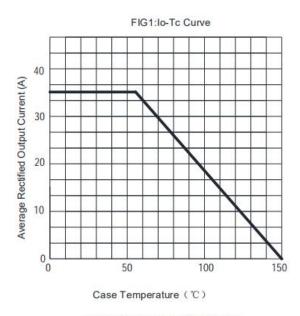
SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _{FM}	Forward Voltage drop	I _F = 17.5A, T _J = 25°C	1.1	V
I _{RRM}	DC reverse current	V _{RM} =V _{RRM}	10	μΑ





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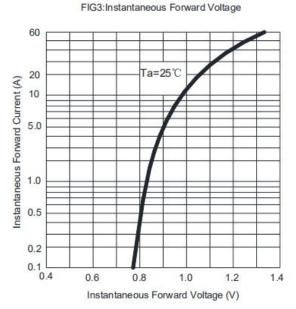
CHARACTERISTICS

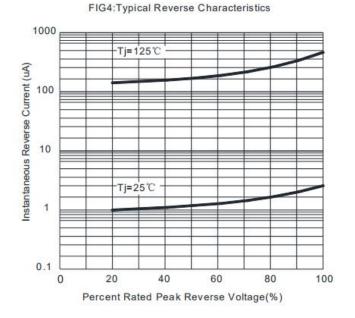


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FIG2:Surge Forward Current Capability





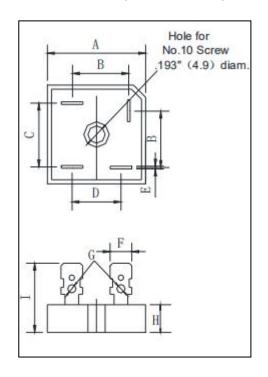




Single Phase Bridge

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394")



GBPC				
Dim	Min	Max		
Α	28.2	28.8		
В	15.3	17.3		
С	17.1	19.1		
D	13.2	15.2		
E	0.75	0.85		
F	6.2	6.4		
G	2.2	2.6		
Н	7.6	8.2		
1	19	1		

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