

Single Phase Bridge Rectifier

Features

- Glass passivated chip junction
- Surge capability of 300 A
- High efficiency
- Electrically isolated metal case for maximum heat dissipation
- Mounting: thru hole for # 8 screw

Thermal and Mechanical Specifications ($T_A = 25^{\circ}\text{C}$ unless otherwise noted)

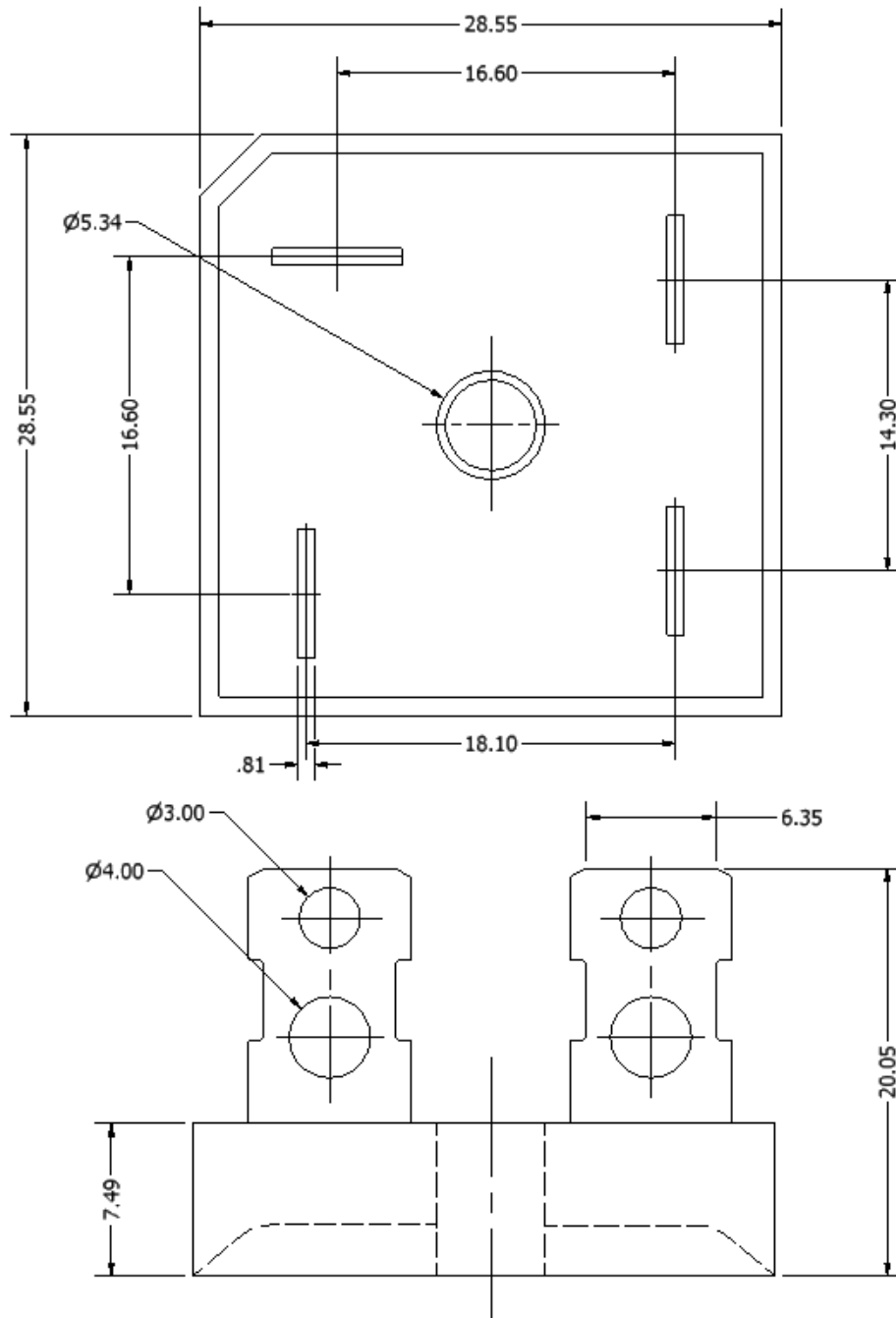
Parameters	Symbol	Values	Units
Maximum operating junction temperature range	T_J	- 55 to + 125	$^{\circ}\text{C}$
Maximum storage temperature range	T_{Stg}	- 55 to + 150	$^{\circ}\text{C}$
Approximate weight		30	g



GBPC

Voltage Ratings ($T_A = 25^{\circ}\text{C}$ unless otherwise noted)

Parameter		Symbol	25MB							Units
Maximum repetitive peak reverse voltage		V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS voltage		V _{RMS}	35	70	140	280	420	560	700	V
Maximum DC blocking voltage		V _{DC}	50	100	200	400	600	800	1000	V
Maximum average forward output current		I _{F(AV)}	25.0							A
Peak forward surge current (10ms) single half sine-wave superimposed on rated load		I _{FSM}	300							A
Maximum DC forward voltage drop per element @ 7.5 A		V _F	1.2							V
Maximum DC reverse current at rated DC blocking voltage per element	T _A = 25 ⁰ C	I _R	5.0							μA
	T _A = 125 ⁰ C		500							



ALL DIMENSIONS ARE IN MM