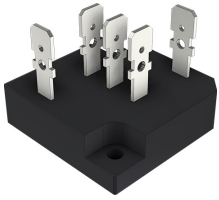


# Glass Passivated 3 Phase Bridge Rectifier



## Features

- Surge overload - 350 amperes peak
- Low forward voltage drop
- Mounting position : Any
- Weight : 45g

## 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%

Characteristics	Symbol	Values	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	1600	V
Maximum RMS Bridge Input Voltage	$V_{RMS}$	1120	
Maximum Average Forward Rectified Output Current @ $T_c = 55^\circ C$	$I_{(AV)}$	35	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	$I_{FSM}$	350	A
Current Squared time (1ms<t<10ms)	$I^2t$	508	A <sup>2</sup> S
Dielectric Strength	$V_{DIS}$	2000	V
Mounting Torque	TOR	0.8	N.m
Maximum Forward Voltage Drop Per Element at 17.5 A Peak	$V_F$	1.1	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ $T_A=25^\circ C$	$I_R$	100	$\mu A$
Typical Thermal Resistance (Note1)	$R_{\theta JC}$	Max: 0.7	$^\circ C/W$
Operating Temperature Range	$T_J$	-55 to +150	$^\circ C$
Storage Temperature Range	$T_{STG}$		

- Notes:** 1. Thermal Resistance Junction to case.  
2. The typical data above is for reference only

## Rating and Characteristic Curves

FIG.1-MAXMUN FORWARD SURGE CURRENT

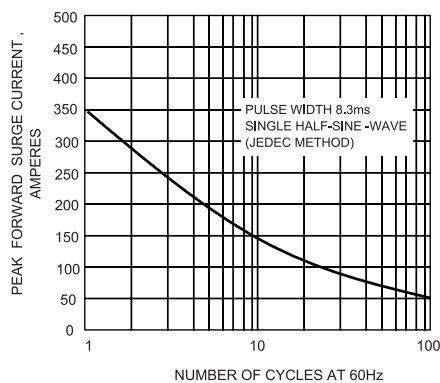
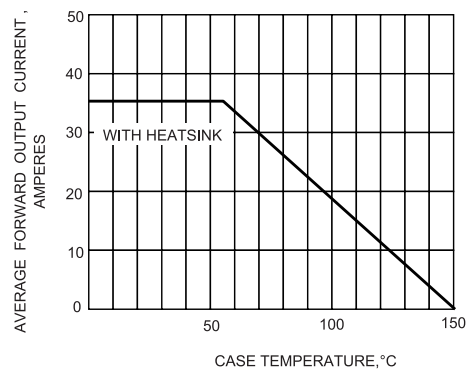


FIG.2- DERATING CURVE OUTPUT RECTIFIED CURRENT



# Glass Passivated 3 Phase Bridge Rectifier



FIG.3-TYPICAL FORWARD CHARACTERISTICS

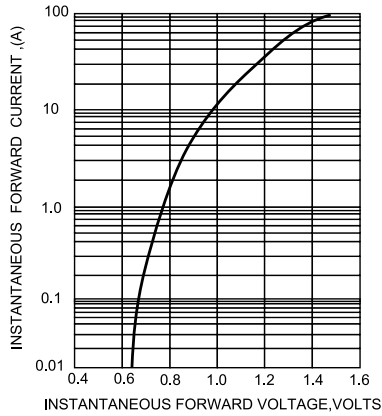
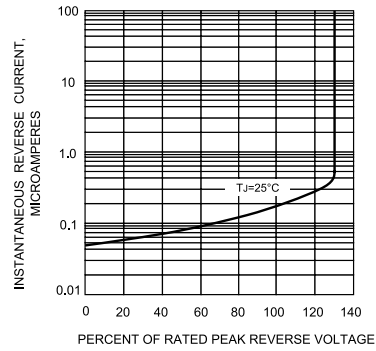
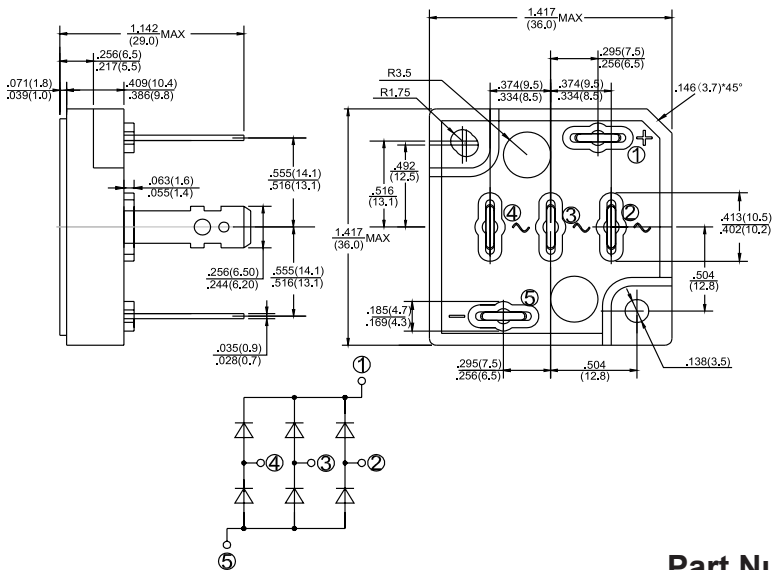


FIG.4-TYPICAL REVERSE CHARACTERISTICS



## Dimension:

### SCVB



Dimensions : Inches (Millimetres)

## Part Number Table

Description	Part Number
Three Phase Bridge 35A 1600V Faston Lead, SCVB Package	SC35VB160

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