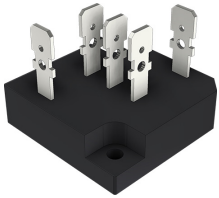


Glass Passivated 3 Phase Bridge Rectifier

multicompPRO



Features

- Surge overload - 500 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.

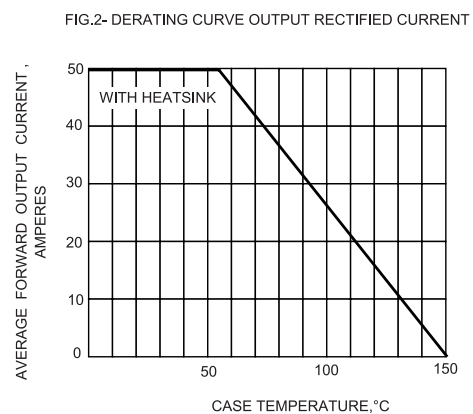
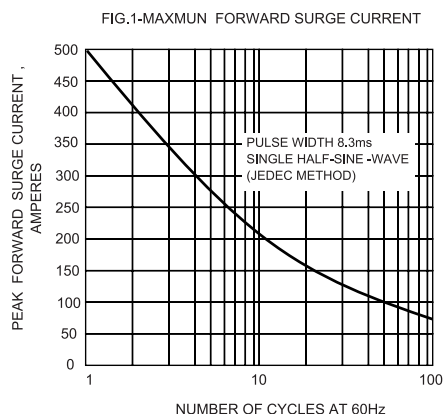
Single Half Sine-Wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Characteristics	Symbol	Values	Unit
Maximum Recurrent Peak Reverse Voltage	VRRM	1600	V
Maximum RMS Bridge Input Voltage	VRMS	1120	
Maximum Average Forward Rectified Output Current @ Tc = 55°C	I(AV)	50	A
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load	IFSM	500	A
Current Squared time (1ms<t<10ms)	I ² t	1037.5	A ² S
Dielectric Strength	VDIS	2000	V
Mounting Torque	TOR	0.8	N.m
Maximum Forward Voltage Drop Per Element at 17.5 A Peak	VF	1.15	V
Maximum Reverse Current at Rated DC Blocking Voltage Per Element @ TA=25°C	IR	10	μA
Typical Thermal Resistance (Note1)	RθJC	Max: 0.7	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG		

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

Rating and Characteristic Curves



Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

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FIG.3-TYPICAL FORWARD CHARACTERISTICS

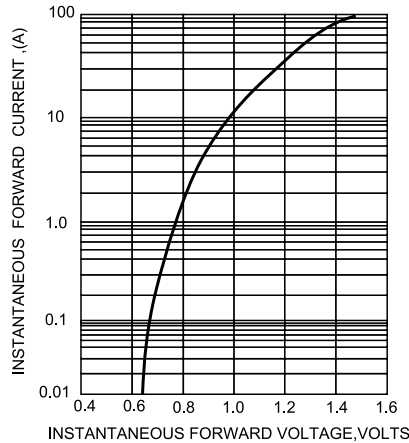
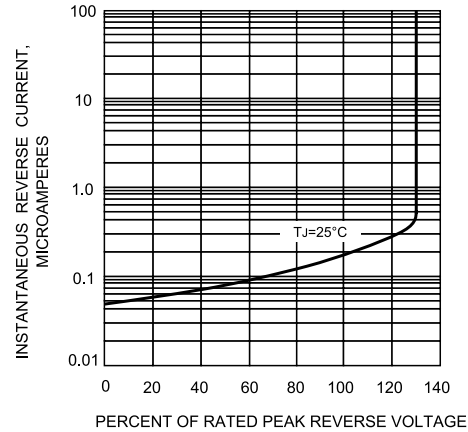
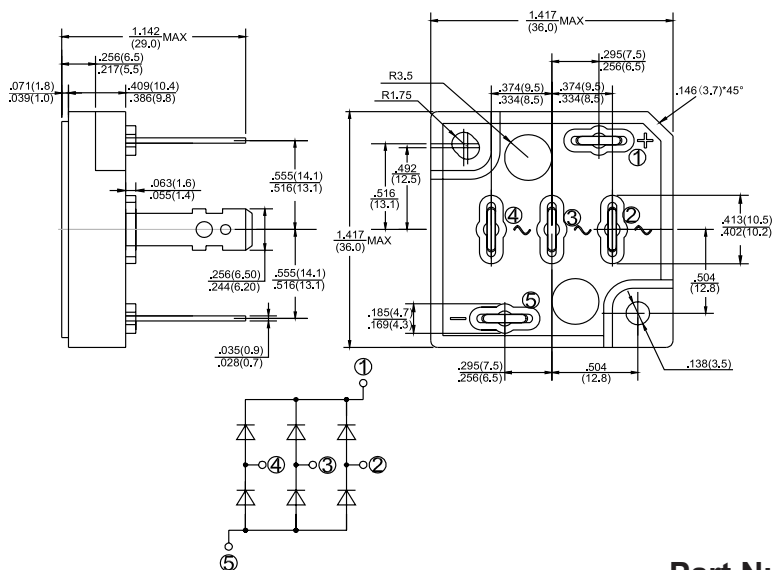


FIG.4-TYPICAL REVERSE CHARACTERISTICS



Dimension:

SCVB



Dimensions : Inches (Millimetres)

Part Number Table

Description	Part Number
Three Phase Bridge 50A 1600V Faston Lead, SCVB Package	SC50VB160

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