

*The Superior Diodes Solution*

## Glass Passivated Three-Phase 50A 800-1600V Bridge Rectifier Part Numbers: SC50VB80-G and SC50VB160-G



Comchip's SC50VB series three-phase bridge rectifiers have a forward current of 50A and a reverse voltage of 800V-1600V. The SCVB package is robust package for PCB mounting and withstands a surge current overload of 500A peak. The SC50VB series feature low forward voltage drop and provides full wave rectification. The parts are RoHS compliant, and Lead-free.

- Glass Passivated Rectifier Chip
- 3-Phase Bridge Rectifier
- Full Wave Rectification
- UL certified
- Low Forward Voltage Drop
- Surge Overload of 500A Peak

Inside the SCVB package (36.0 x 36.0 x 29.0 mm) are 6 Glass Passivated chips, capable of handling 50A current for single phase or three phase rectification. The three phase bridge rectifier offers efficient and reliable operation.

The SC50VB series is UL certified.

The push-on terminals are Tin plated.

Applications include: 3 phase induction motor for pumps and welding equipment, AC/DC power supplies, Pulse-Width Modulation for LED applications, three-phase lighting, instrumentation, Switch Mode Power Supplies, Resistance heating loads such as electric boiler or space heaters.



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