

*The Superior Diodes Solution*

## 2A 600V~1000V High Thermal Performance Bridge Rectifier Part Numbers: Z4GP206-HF, Z4GP208-HF, and Z4GP210-HF



Comchip's new Z4GP2 series bridge rectifiers diode have a forward current of 2.0A and reverse voltage of 600V, 800V, or 1000V. The surface mount ABS/Z4 package is leadless, low profile, and ideal for high speed surface mount process. It is 14% thinner than a traditional ABS package and a direct drop-in to ABS land pattern.

The Z4GP2 series feature low power loss and high efficiency and is capable of handling high currents. The parts are REACH and RoHS compliant, Halogen-free, and Lead-free.

- Designed for high speed SMT
- Flat Chip Design
- Low Profile/Leadless Package
- Low Power Loss/High Efficiency
- High Current Capability
- Glass Passivated Rectifier Chip (GPRC)
- High Thermal Performance Package

Inside the ABS/Z4 package (5.8 x 5.3 x 1.2 mm) is a 2A Glass Passivated Rectifier Chip (GPRC) that offers stable and low reverse current to reduce thermal drift. The GPRC has a wide operating junction temperature range of -55 to +175°C, and with the high thermal performance package, makes the Z4GP2 bridge rectifiers more efficient than standard 2A bridge rectifiers.

The ABS/Z4 package meets UL 94V-0 flammability classification.

The terminals are Matte-Tin plated and solderable per MIL-STD-750, method 2026. High temperature soldering guaranteed: 250°C/10 seconds.

Applications include: Communication Equipment, LED Lighting, AC/DC power supplies, DC/DC converters.



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