

The Superior Diodes Solution

Low Vf 4A 600V~1000V High Thermal Performance Bridge Rectifier Part Numbers: Z4DGP406L-HF, Z4DGP408L-HF, and Z4DGP410L-HF



Comchip's new Z4DGP4 series bridge rectifiers have a forward current of 4.0A and reverse voltage of 600V, 800V, or 1000V. The surface mount Z4-D package is leadless, low profile, and ideal for high speed surface mount process. It is 14% thinner than standard package.

The Z4DGP4 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.

Inside the Z4-D package (10.5 x 8.1 x 1.4 mm) is a 4A 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. The low forward voltage GPRC chip and the high thermal performance package makes the Z4DGP4 bridge rectifiers more efficient than standard 4A bridge rectifiers.

The Z4-D 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.

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



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