

The Superior Diodes Solution

Glass Passivated Ultra-Fast Recovery Rectifiers

Part Numbers: CURN101-HF, CURN102-HF, CURN103-HF, CURN104-HF, and CURN105-HF



Comchip's new CURN series ultra-fast recovery rectifiers have a forward current of 1.0A and a reverse voltage of 200-1000V. The surface mounted package is leadless so there is no potential for lead damage during the mounting process. The CURN series feature low power loss and high efficiency and is capable of handling high currents. The parts are RoHS compliant, Halogen free, and Lead free.

Within the 1206 package ($3.40^{+0.2}_{-0.2} \times 1.90^{+0.2}_{-0.2} \times 0.96^{+0.2}_{-0.1}$ mm) is a GPRC, or a Glass Passivated Rectifier Chip, which is capable of handling extreme temperature variations. This glass passivated chip features a cavity free junction.

The parts are AEC-Q101 qualified by passing the automotive level qualification requirements for discrete products.

The 1206 plastic package is UL Recognized and classified as 94V-0.

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

Applications include: high frequency rectification, AC/DC power supplies, and LED applications.

- Glass Passivated Rectifier Chip
- Designed for Surface Mounting
- Flat Chip Design
- Extremely Thin/Leadless Package
- Low Power Loss/High Efficiency
- High Current Capability
- AEC-Q101 Qualified

Please contact us for additional information >>>

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