

*The Superior Diodes Solution*

## AEC-Q101 Qualified Low Profile 3A 20V~100V Schottky Diode Part Numbers: CDBAT320-HF, CDBAT340-HF, CDBAT360-HF, and CDBAT3100-HF



Comchip's new CDBAT3 series Schottky diode have a forward current of 3.0A and reverse voltage range of 20V~100V. The surface mount DO-214AC/SMA package is leadless, low profile, with large terminations ideal for high speed surface mount process. It is 46% thinner than a standard DO-214AC/SMA package. The CDBAT3 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 Forward Voltage
- Low Power Loss/High Efficiency
- High Current Capability
- AEC-Q101 Qualified

Inside the DO-214AC/SMA package (4.55 $\pm$ 0.05 x 2.20 $\pm$ 0.1 x 1.01 $\pm$ 0.15 mm) is a 3A Schottky chip with low forward voltage making it more efficient than standard 3A Schottky diodes. The parts pass stress tests for automotive grade discrete semiconductors and are AEC-Q101 qualified.

The DO-214AC/SMA 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: Automotive electronics, LED Lighting, AC/DC power supplies, DC/DC converters.



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