

The Superior Diodes Solution

10A 45V Schottky Barrier Rectifier RoHS Halogen-Free
Part Numbers: CDBZ5T1045-HF



Comchip's new Schottky rectifier, CDBZ5T1045-HF, has a forward current of 10A and reverse voltage of 45V. The surface mount SMC/Z5-T package is leadless, low profile, and ideal for high speed surface mount process.

The CDBZ5T1045-HF features low power loss and high efficiency, with peak forward surge current of 300A. The part is 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
- Low Forward Voltage
- High Current Capability
- High Thermal Performance Package

CDBZ5T1045-HF has a dimension of 8.0 x 5.0 x 1.2 mm and contains a 10A 45V Schottky barrier rectifier chip that offers an operating junction temperature range of -55 to +150°C.

The SMC/Z5-T 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: Switch Mode Power Supplies, Portable Equipment Battery regulation, High Frequency rectification, DC/DC converters, and as bypass diode for solar panels.



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