



## Bridge Rectifiers

### Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Ideal for printed circuit boards
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

### Typical Applications

General purpose use in AC/DC bridge full wave rectification for monitor, TV, printer, power supply, switching mode power supply, adapter, audio equipment, and home appliances applications.

### Mechanical Data

**Package:** D3K

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Polarity:** As marb



Parameter	Symbol	Unit	Value
Forward Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	I <sub>o</sub>	A	3.0
Forward Current (Continuous) Without heatsink Ta =25	I <sub>o</sub>	A	1.2
Forward Surge Current (Non-repetitive) @60Hz Half-sine wave, 1 cycle, Tj=25	IFSM	A	100
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25			200
Current squared time @1ms t 8.3ms Tj=25, Rating of per diode	I <sup>2</sup> t	A <sup>2</sup> s	41

Storage temperature

T<sub>stg</sub>



## D3UB05A THRU D3UB100A

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**Electrical Characteristics**  $T_a=25$  Unless otherwise specified

PARAMETER





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