

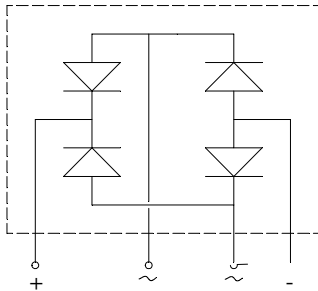
## Bridge Rectifiers

### Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Thin single in-line package
- 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 switching power supply, home appliances, office equipment, industrial automation applications.



### Mechanical Data

- Package:** JB
- Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free
- Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity:** As marked on body

### Maximum Ratings (T<sub>a</sub>=25 °C Unless otherwise specified)

| PARAMETER                               | SYMBOL           | UNIT | D6JB05 | D6JB10 | D6JB20 | D6JB40 | D6JB60 | D6JB80 | D6JB100 |
|---|------------------|------|--------|--------|--------|--------|--------|--------|---------|
| Device marking code                     |                  |      | D6JB05 | D6JB10 | D6JB20 | D6JB40 | D6JB60 | D6JB80 | D6JB100 |
| Maximum Repetitive Peak Reverse Voltage | V <sub>RRM</sub> | V    | 50     | 100    | 200    | 400    | 600    | 800    | 1000    |
| Maximum RMS Voltage                     | V <sub>RMS</sub> | V    | 35     | 70     | 140    | 280    | 420    | 560    | 700     |
| Maximum DC blocking Voltage             | V <sub>DC</sub>  | V    | 50     | 100    | 200    | 400    | 600    | 800    | 1000    |

Average Rectified Output Current @60Hz sine wave  
 Current squared time rating of per diode  
 @1ms t 8.3ms T<sub>j</sub>=25 °C

|   |                  |                  |            |
|---|------------------|------------------|------------|
|   | z <sub>t</sub>   | A <sup>2</sup> S | 62.5       |
| Storage temperature                                     | T <sub>stg</sub> |                  | -55 ~ +150 |
| Junction temperature                                    | T <sub>j</sub>   |                  | -55 ~ +150 |
| Dielectric strength<br>@ Terminals to case, AC 1 minute | V <sub>dis</sub> | KV               | 2          |
| Mounting torque<br>@ Recommend torque 5kg cm            | Tor              | kg cm            | 8          |



Electrical Characteristics  $T_a$





## D6JB05 THRU D6JB100

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### Disclaimer

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