

Silicon T03 Miniature Power Circuits

Edal's Miniature power design offers optional configurations in one standard package. A sharp reduction in space requirements, simplified purchasing, reduced inventory, fewer lead connections and faster assembly by eliminating the need of soldering many diodes to achieve equivalent circuitry are substantial advantages. Low unit cost and increased reliability are proven results of Edal multiple circuits, now available in half wave, and center tap circuits. Ratings for the circuits that are listed below point out the high temperature resistance, low leakage current and low forward voltage drop. Units utilize double diffused passivated junctions. Through Quality Control program results in high unit reliability. Available in Fast Recovery and/or Bulk Avalanche devices.

Electrical Ratings (Per Section)

Maximum Output Current

Case Temp 130 °C I_o see Chart

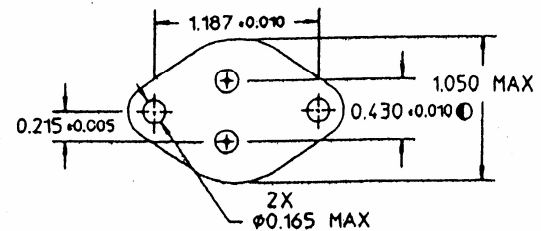
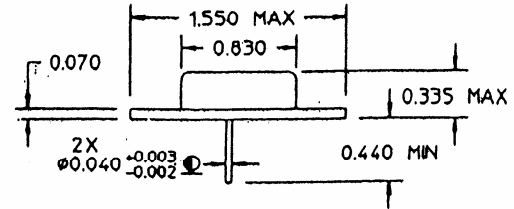
Maximum Single Cycle Surge Current 250 amps

Maximum Forward Voltage Drop:

at I_o 25 °C Case 1.5 volts

Maximum Reverse Current:

at PIV 50 ua

Maximum I² t 250 amps² sec

SERIES T PER SECTION SPECIFICATIONS

| CURRENT | | PIV | | CODE | CIRCUIT |
|---------|------|------|---------|------|-----------------------|
| CODE | AMPS | CODE | (VOLTS) | | |
| 10 | 10 | A | 50 | 1 | Half Wave |
| 15 | 15 | B | 100 | 2 | Center Tap, Case Pos. |
| 20 | 20 | C | 200 | 3 | Center Tap, Case Neg. |
| | | D | 300 | | |
| | | E | 400 | | |
| | | F | 500 | | |
| | | G | 600 | | |
| | | H | 700 | | |
| | | K | 800 | | |
| | | M | 1000 | | |
| | | N | 1200 | | |

T 10**B****2**

First code represents series, second current, third PIV, fourth the circuit. Series T10B2, for Example is a 10 amp 100 PIV Center Tap Case Positive.

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