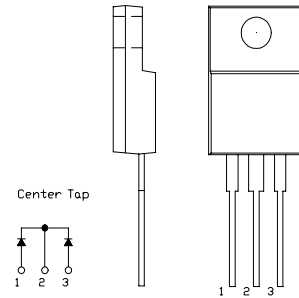


SBD Type : FCH08A10

OUTLINE DRAWING

FEATURES

- *Similar to TO-220AB Case
- *Fully Molded Isolation
- *Dual Diodes – Cathode Common
- *Low Forward Voltage Drop
- *Low Power Loss,High Efficiency
- *High Surge Capability
- *Tj=150 °C operation



Maximum Ratings

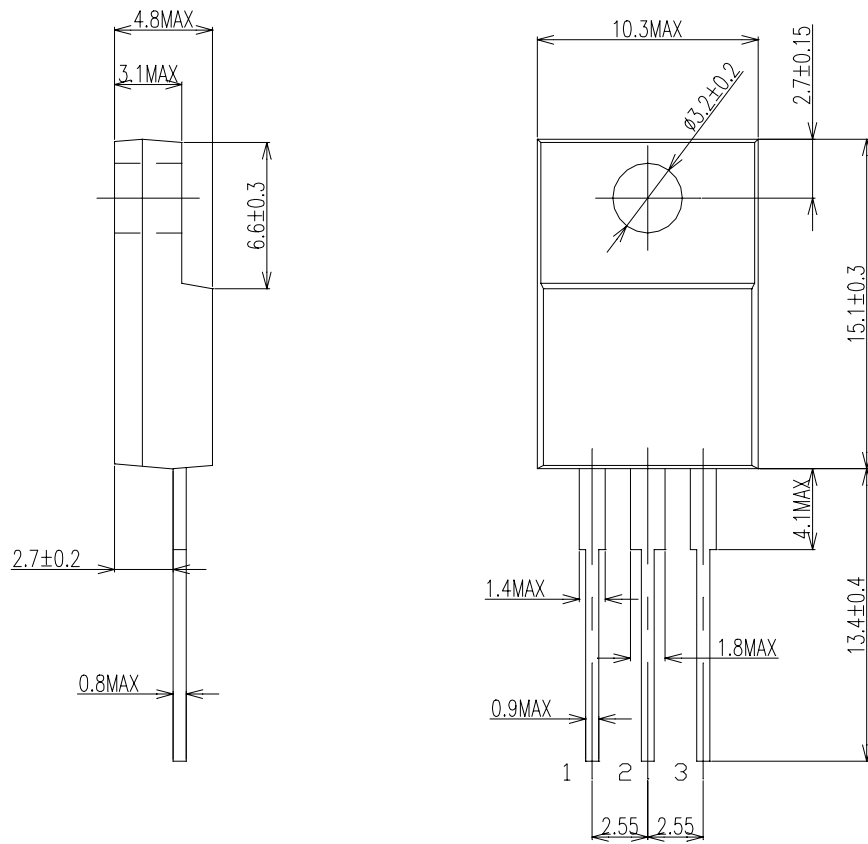
Approx Net Weight: 1.75g

| Rating | Symbol | FCH08A10 | | | Unit |
|-------------------------------------|---------------------|--------------------------|---|--|------|
| Repetitive Peak Reverse Voltage | V _{RRM} | 100 | | | V |
| Average Rectified Output Current | I _O | 8 | T _C =127°C | 50 Hz Full Sine Wave Resistive Load | A |
| RMS Forward Current | I _{F(RMS)} | 8.89 | | | A |
| Surge Forward Current | I _{FSM} | 100 | 50Hz Full Sine Wave ,1cycle Non-repetitive | | A |
| Operating JunctionTemperature Range | T _{jw} | -40 to +150 | | | °C |
| Storage Temperature Range | T _{stg} | -40 to +150 | | | °C |
| Mounting torque | F _{tor} | recommended torque = 0.5 | | | N•m |

Electrical • Thermal Characteristics

| Characteristics | Symbol | Conditions | Min. | Typ. | Max. | Unit |
|----------------------|----------|---|------|------|------|----------------------|
| Peak Reverse Current | I_{RM} | $T_j= 25^{\circ}\text{C}$, $V_{RM}= V_{RRM}$ per arm | - | - | 1 | mA |
| Peak Forward Voltage | V_{FM} | $T_j= 25^{\circ}\text{C}$, $I_{FM}= 4\text{ A}$ per arm | - | - | 0.88 | V |
| Thermal Resistance | Rth(j-c) | Junction to Case | - | - | 3 | $^{\circ}\text{C/W}$ |
| | Rth(c-f) | Cace to Fin | - | - | 1.5 | $^{\circ}\text{C/W}$ |

FCH08A10 OUTLINE DRAWING (Dimensions in mm)



Center Tap

