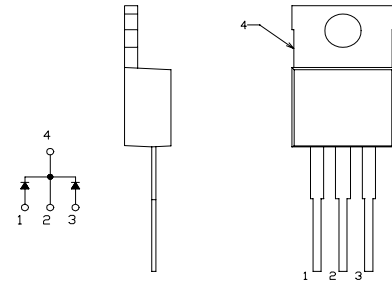


SBD Type : GCQ20A04

OUTLINE DRAWING

FEATURES

- *Similar to TO-220AB Case
- *Dual Diodes – Cathode Common
- *Low Forward Voltage Drop
- *High Surge Capability
- *Tj=150 °C operation



Maximum Ratings

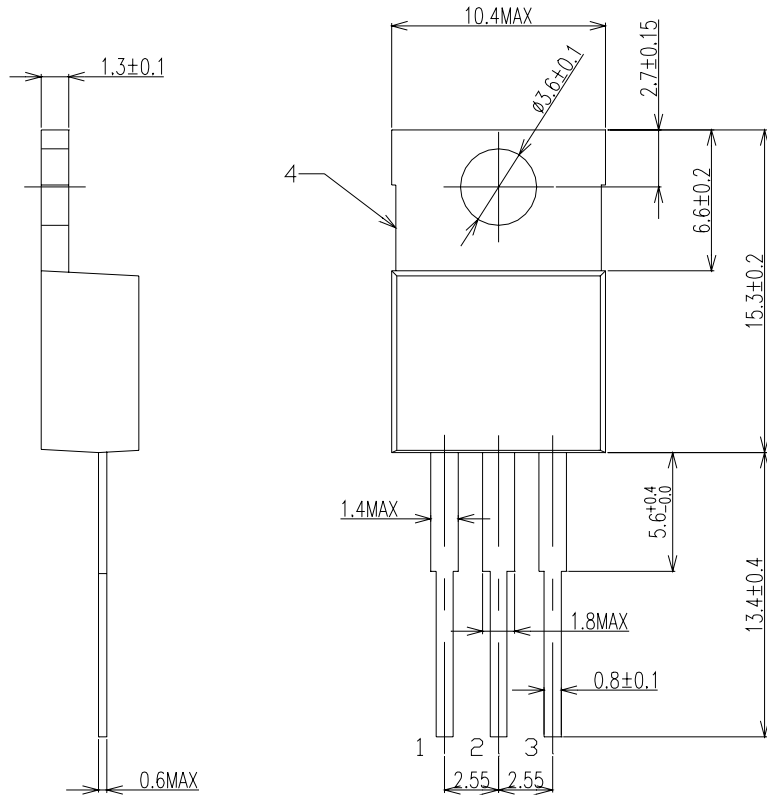
Approx Net Weight: 1.9g

| Rating | Symbol | GCQ20A04 | | | Unit |
|-------------------------------------|--------------|--------------------------|--|-------------------------------------|------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 40 | | | V |
| Average Rectified Output Current | I_O | 20 | $T_c=119^{\circ}C$ | 50 Hz Full Sine Wave Resistive Load | A |
| RMS Forward Current | $I_{F(RMS)}$ | 22.2 | | | A |
| Surge Forward Current | I_{FSM} | 180 | 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} | $T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ per arm | - | - | 10 | mA |
| Peak Forward Voltage | V_{FM} | $T_j= 25^{\circ}C, I_{FM}= 10 A$ per arm | - | - | 0.55 | V |
| Thermal Resistance | $R_{th(j-c)}$ | Junction to Case | - | - | 1.5 | °C/W |

GCQ20A04 OUTLINE DRAWING (Dimensions in mm)



Center Tap

