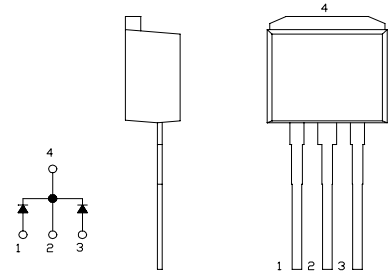


# SBD Type : C20T06Q-11A

## OUTLINE DRAWING

### FEATURES

- \*Tabless TO-220
- \*Dual Diodes – Cathode Common
- \*Low Forward Voltage Drop
- \*High Surge Capability
- \*Tj=150 °C operation



## Maximum Ratings

Approx Net Weight: 1.45g

| Rating                              | Symbol              | C20T06Q-11A |                                               |                                        | Unit |
|-------------------------------------|---------------------|-------------|-----------------------------------------------|----------------------------------------|------|
| Repetitive Peak Reverse Voltage     | V <sub>RRM</sub>    | 60          |                                               |                                        | V    |
| Average Rectified Output Current    | I <sub>O</sub>      | 20          | T <sub>c</sub> =111°C                         | 50 Hz Full Sine Wave<br>Resistive Load | A    |
| RMS Forward Current                 | I <sub>F(RMS)</sub> | 22.2        |                                               |                                        | A    |
| Surge Forward Current               | I <sub>FSM</sub>    | 150         | 50Hz Full Sine Wave ,1cycle<br>Non-repetitive |                                        | A    |
| Operating JunctionTemperature Range | T <sub>jw</sub>     | -40 to +150 |                                               |                                        | °C   |
| Storage Temperature Range           | T <sub>stg</sub>    | -40 to +150 |                                               |                                        | °C   |

## Electrical • Thermal Characteristics

| Characteristics      | Symbol        | Conditions                                                   | Min. | Typ. | Max. | Unit                        |
|----------------------|---------------|--------------------------------------------------------------|------|------|------|-----------------------------|
| Peak Reverse Current | $I_{RM}$      | $T_j= 25^{\circ}\text{C}$ , $V_{RM}= V_{RRM}$<br>per arm     | -    | -    | 10   | mA                          |
| Peak Forward Voltage | $V_{FM}$      | $T_j= 25^{\circ}\text{C}$ , $I_{FM}= 10\text{ A}$<br>per arm | -    | -    | 0.65 | V                           |
| Thermal Resistance   | $R_{th(j-c)}$ | Junction to Case                                             | -    | -    | 1.5  | $^{\circ}\text{C}/\text{W}$ |

**C20T06Q-11A OUTLINE DRAWING (Dimensions in mm)**

