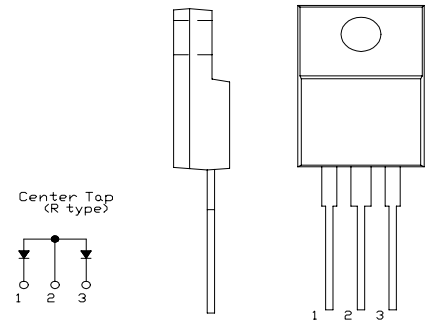


FRD Type : F10P20FR

OUTLINE DRAWING

FEATURES

- * Fully Molded Isolation
- * Dual Diodes – Anode Common
- * Ultra – Fast Recovery
- * Low Forward Voltage Drop
- * High Surge Capability
- * 200 Volts thru 600 Volts Types Available



Maximum Ratings

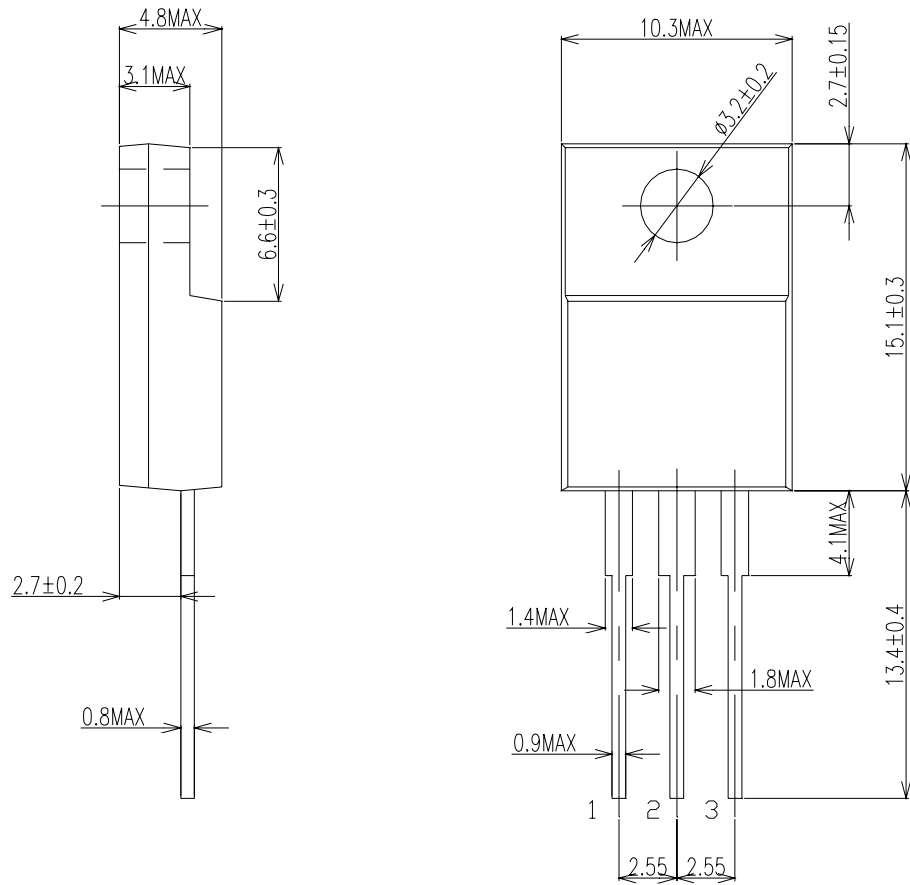
Approx Net Weight:1.75g

| Rating | Symbol | F10P20FR | | | Unit |
|-------------------------------------|---------------------|---------------|--------------------------------------------|-------------------------------------|------|
| Repetitive Peak Reverse Voltage | V _{RRM} | 200 | | | V |
| Non-repetitive Peak Reverse Voltage | V _{RSM} | 220 | | | V |
| Average Rectified Output Current | I _O | 10 | Tc=117℃ | 50 Hz,Full Sine Wave Resistive Load | A |
| RMS Forward Current | I _{F(RMS)} | 11.1 | | | A |
| Surge Forward Current | I _{FSM} | 80 | 50 Hz Full Sine Wave,1cycle Non-repetitive | | A |
| Operating JunctionTemperature Range | T _{jw} | - 40 to + 150 | | | ℃ |
| Storage Temperature Range | T _{stg} | - 40 to + 150 | | | ℃ |
| Mounting torque | | 0.5 | Recommended value | | 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 | - | - | 20 | μA |
| Peak Forward Voltage | V_{FM} | $T_j=25^{\circ}C, I_{FM}=5A$ per Arm | - | - | 0.98 | V |
| Reverse Recovery Time | t_{rr} | $I_{FM}= 5 A,$ $-di/dt= 50 A/\mu s, T_a= 25^{\circ}C$ | - | - | 35 | ns |
| Thermal Resistance | $R_{th(j-c)}$ | Junction to Case | - | - | 3 | $^{\circ}C/W$ |
| | $R_{th(c-f)}$ | Case to Fin | | | 1.5 | |

F10P20FR OUTLINE DRAWING (Dimensions in mm)



Center Tap
(R type)

