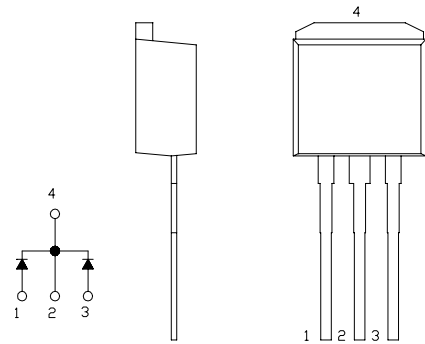


# FRD Type : C10T20F-11A

## OUTLINE DRAWING

### FEATURES

- \* Tabless TO-220
- \* Dual Diodes – Cathode Common
- \* Ultra – Fast Recovery
- \* Low Forward Voltage Drop
- \* High Surge Capability
- \* 200 Volts thru 600 Volts Types Available



### Maximum Ratings

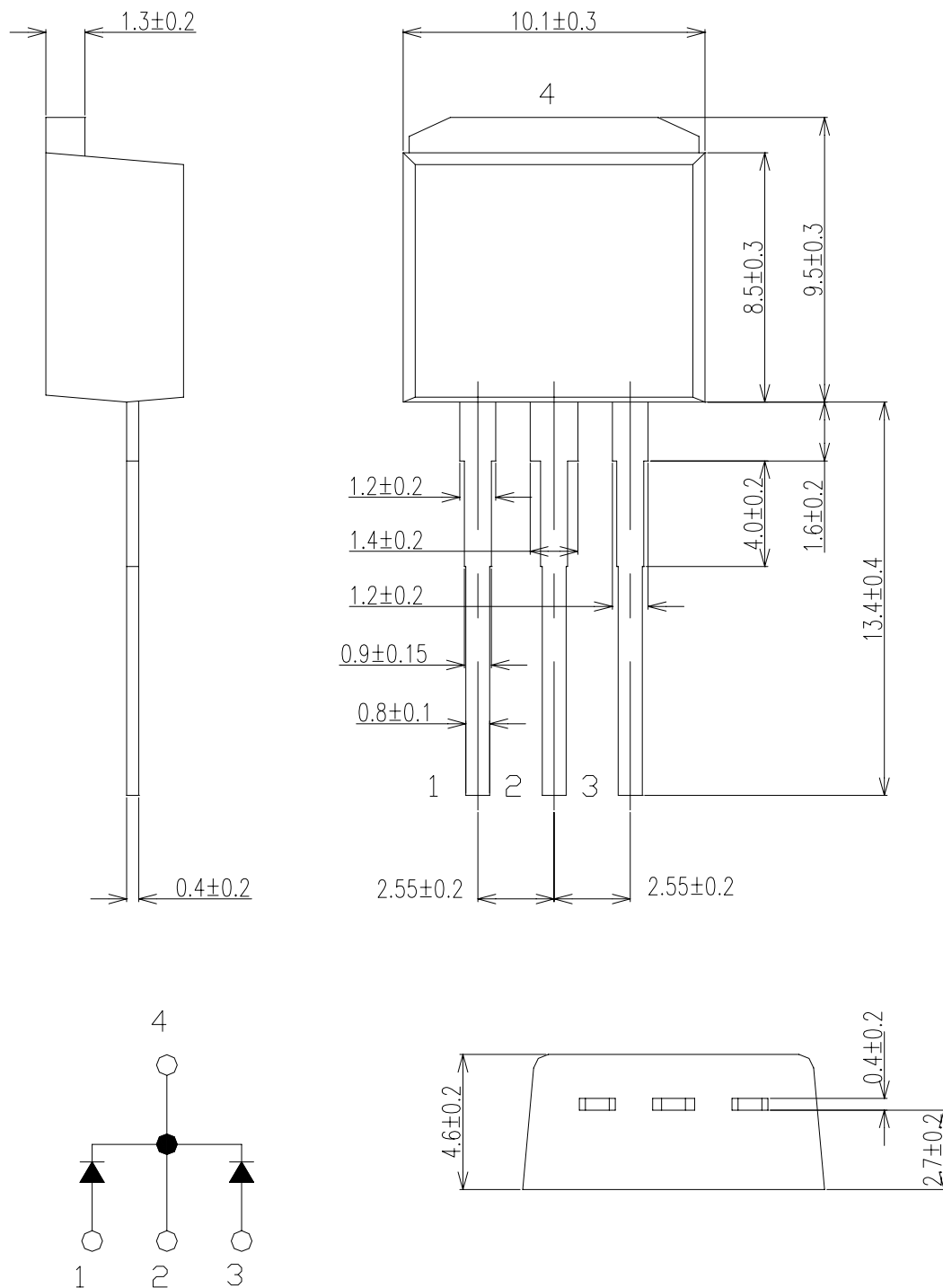
Approx Net Weight:1.75g

Rating	Symbol	C10T20F-11A			Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	200			V
Non-repetitive Peak Reverse Voltage	V <sub>RSM</sub>	220			V
Average Rectified Output Current	I <sub>O</sub>	10	Tc=117°C	50 Hz,Full Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	11.1			A
Surge Forward Current	I <sub>FSM</sub>	80	50 Hz Full Sine Wave,1cycle 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

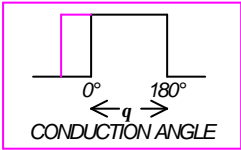
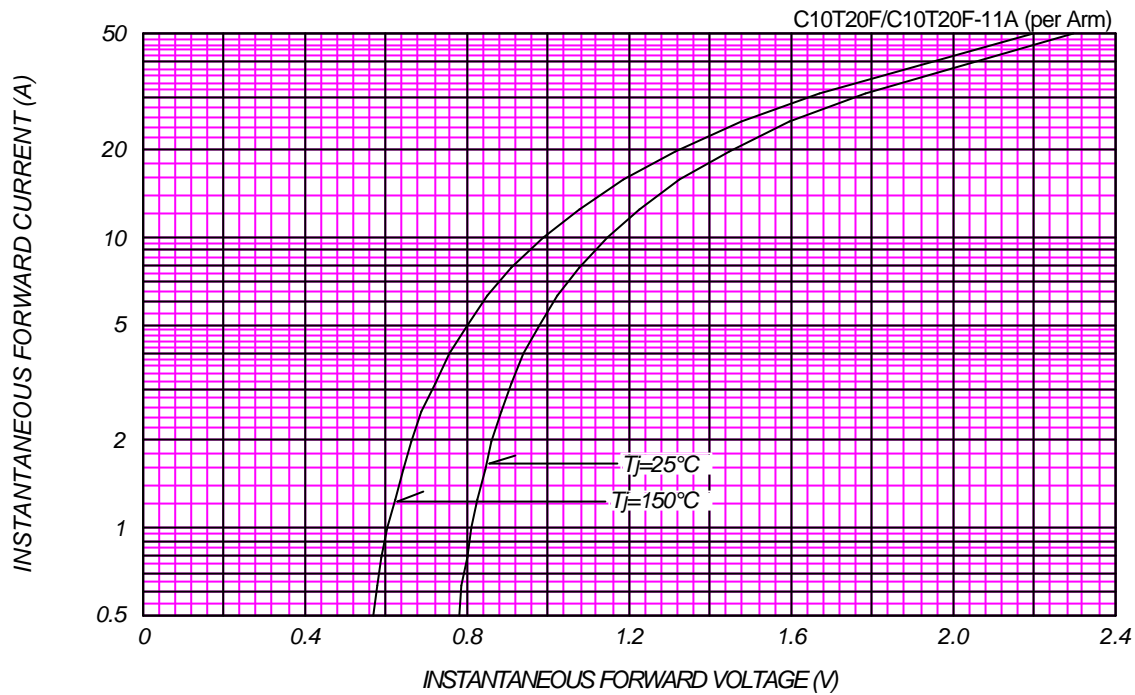
### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$ per Arm	-	-	20	$\mu\text{A}$
Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}\text{C}, I_{FM}=5\text{A}$ per Arm	-	-	0.98	V
Reverse Recovery Time	$t_{rr}$	$I_{FM}= 5 \text{ A},$ $-di/dt= 50 \text{ A}/\mu\text{s}, T_a= 25^{\circ}\text{C}$	-	-	35	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	3	$^{\circ}\text{C}/\text{W}$

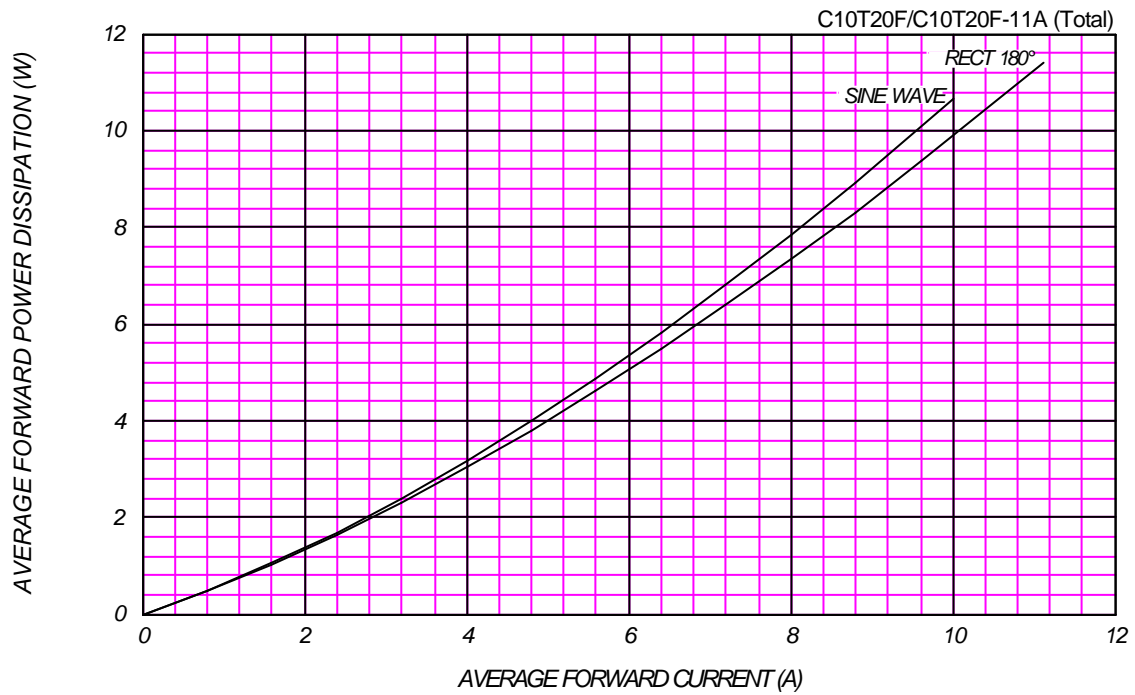
### C\_T\_ 11A OUTLINE DRAWING (Dimensions in mm)

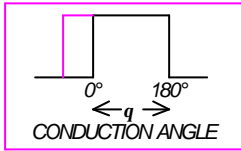


FORWARD CURRENT VS. VOLTAGE

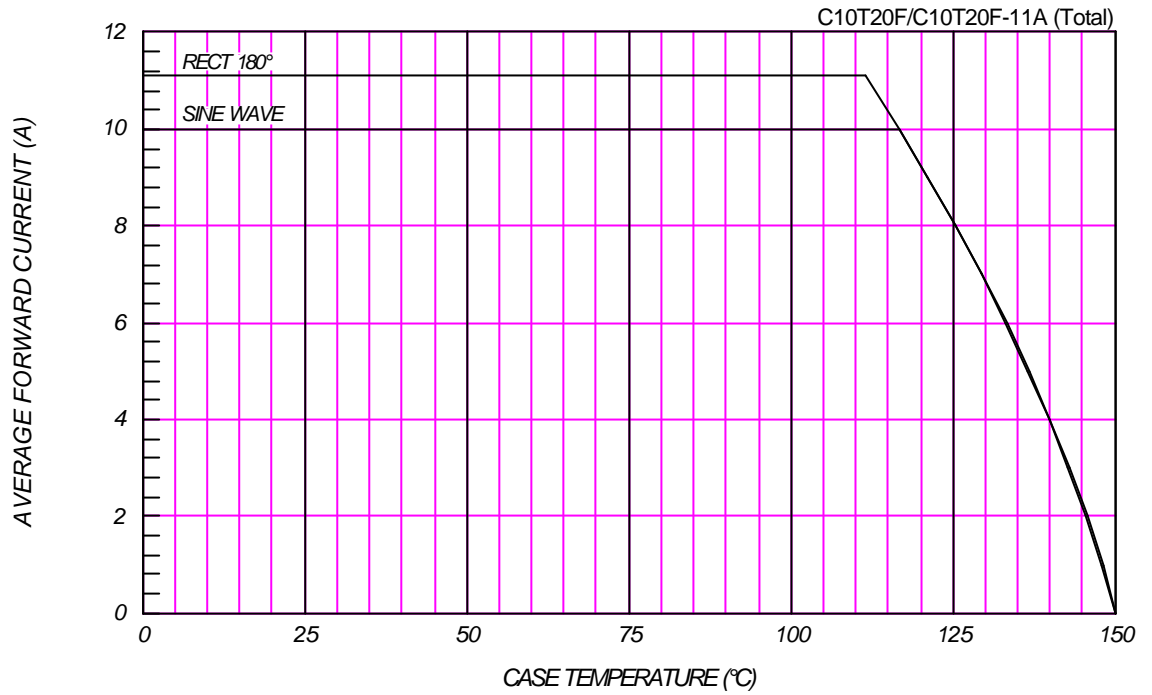


AVERAGE FORWARD POWER DISSIPATION





AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



SURGE CURRENT RATINGS

f=50Hz, Sine Wave, Non-Repetitive, No Load

