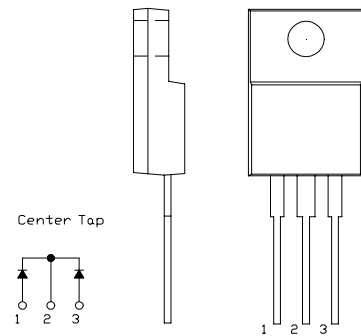


# FRD Type : FCF16A60

## OUTLINE DRAWING

### FEATURES

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



### Maximum Ratings

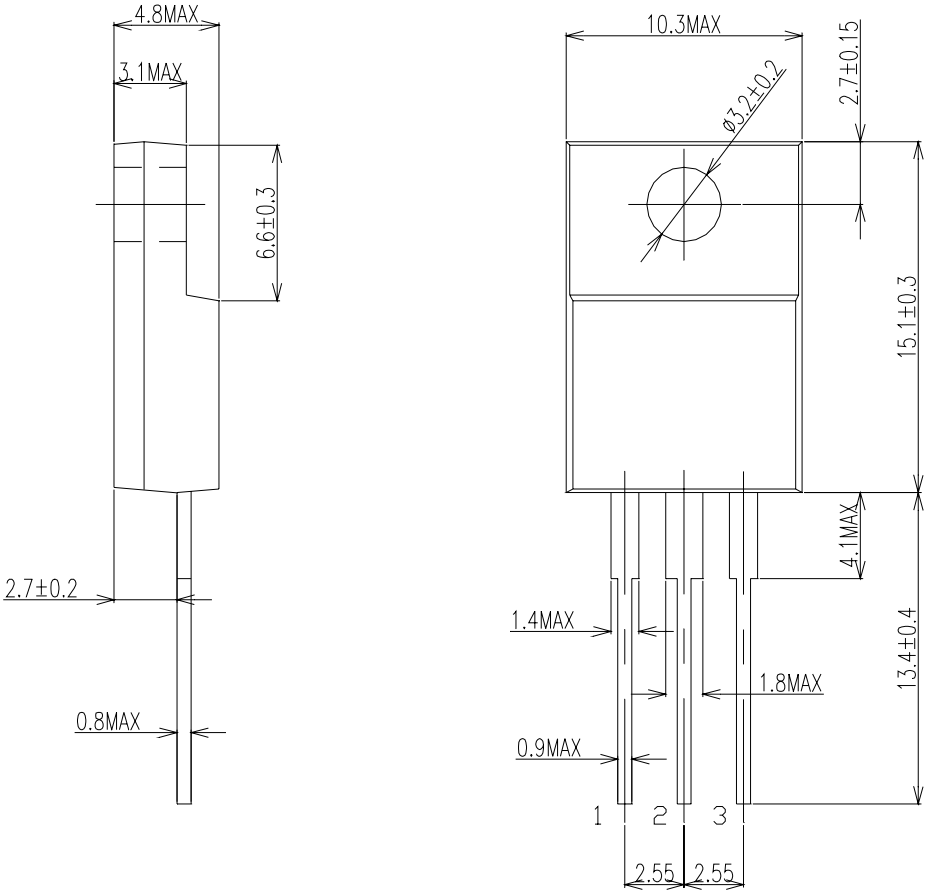
Approx Net Weight:1.75g

Rating	Symbol	FCF16A60			Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600			V
Average Rectified Output Current	I <sub>O</sub>	16	Tc=94℃	50 Hz,Full Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	18			A
Surge Forward Current	I <sub>FSM</sub>	120	50 Hz Full Sine Wave,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T <sub>jw</sub>	- 40 to + 150			℃
Storage Temperature Range	T <sub>stg</sub>	- 40 to + 150			℃
Mounting torque		0.5	Recommended value		N•m

### Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$ per Arm	-	-	30	$\mu\text{A}$
Peak Forward Voltage	$V_{FM}$	$T_j=25^{\circ}\text{C}, I_{FM}=8\text{A}$ per Arm	-	-	1.7	V
Reverse Recovery Time	$t_{rr}$	$I_{FM}=8\text{A}$ , $-di/dt=50\text{A}/\mu\text{s}$ , $T_a=25^{\circ}\text{C}$	-	-	50	ns
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	2	$^{\circ}\text{C}/\text{W}$
	$R_{th(c-f)}$	Case to Fin	-	-	1.5	

FCF16A60 OUTLINE DRAWING (Dimensions in mm)



Center Tap

