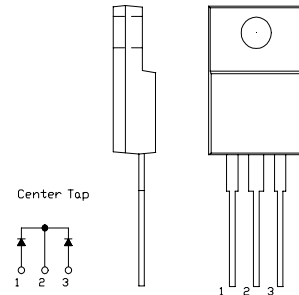


SBD Type : FCQ08A06

OUTLINE DRAWING

FEATURES

- *Similar to TO-220AB Case
- *Fully Molded Isolation
- *Dual Diodes – Cathode Common
- *Low Forward Voltage Drop
- *Low Power Loss,High Efficiency
- *High Surge Capability
- *T_j=150 °C operation
- *Wire-Bonded technology



Maximum Ratings

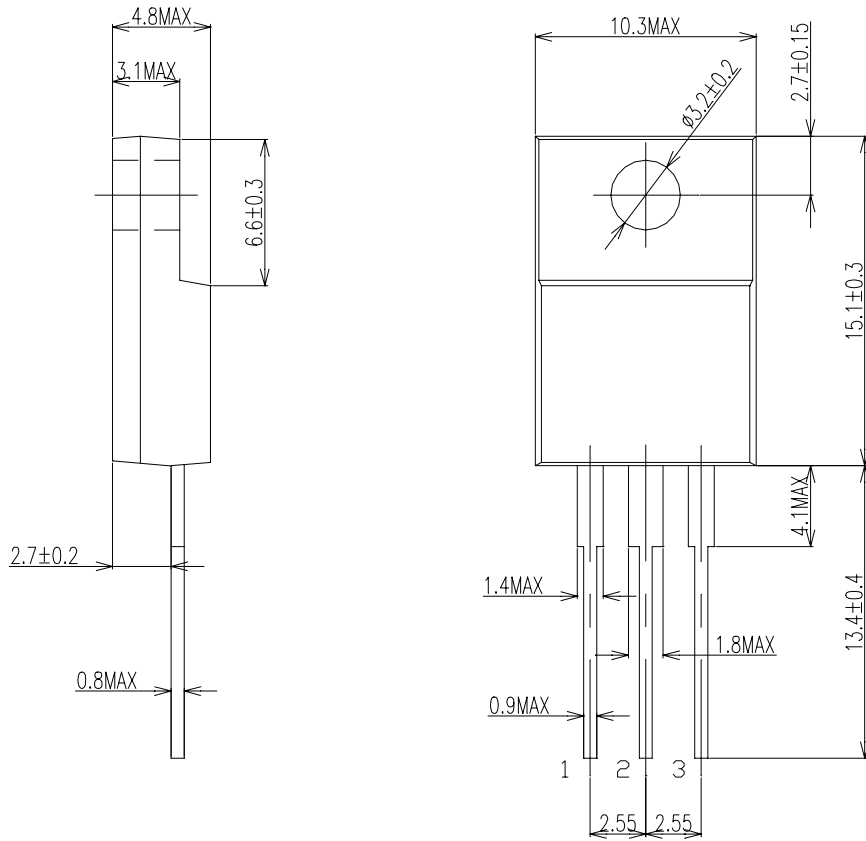
Approx Net Weight: 1.75g

Rating	Symbol	FCQ08A06			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	60			V
Non-repetitive Peak Reverse Voltage	V _{RSM}	65			V
Average Rectified Output Current	I _O	8	T _c =117°C	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	8.89			A
Surge Forward Current	I _{FSM}	75	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°C, V _{RM} = V _{RRM} per arm	-	-	3	mA
Peak Forward Voltage	V _{FM}	T _j = 25°C, I _{FM} = 4 A per arm	-	-	0.65	V
Thermal Resistance	R _{th(j-c)}	Junction to Case	-	-	3	°C /W
	R _{th(c-f)}	Cace to Fin	-	-	1.5	°C /W

FCQ08A06 OUTLINE DRAWING (Dimensions in mm)



Center Tap

