

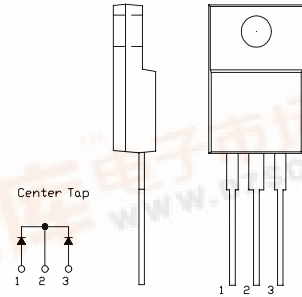


SBD Type : FCH08A06

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
- *Tj=150 °C operation



Maximum Ratings

Approx Net Weight: 1.75g

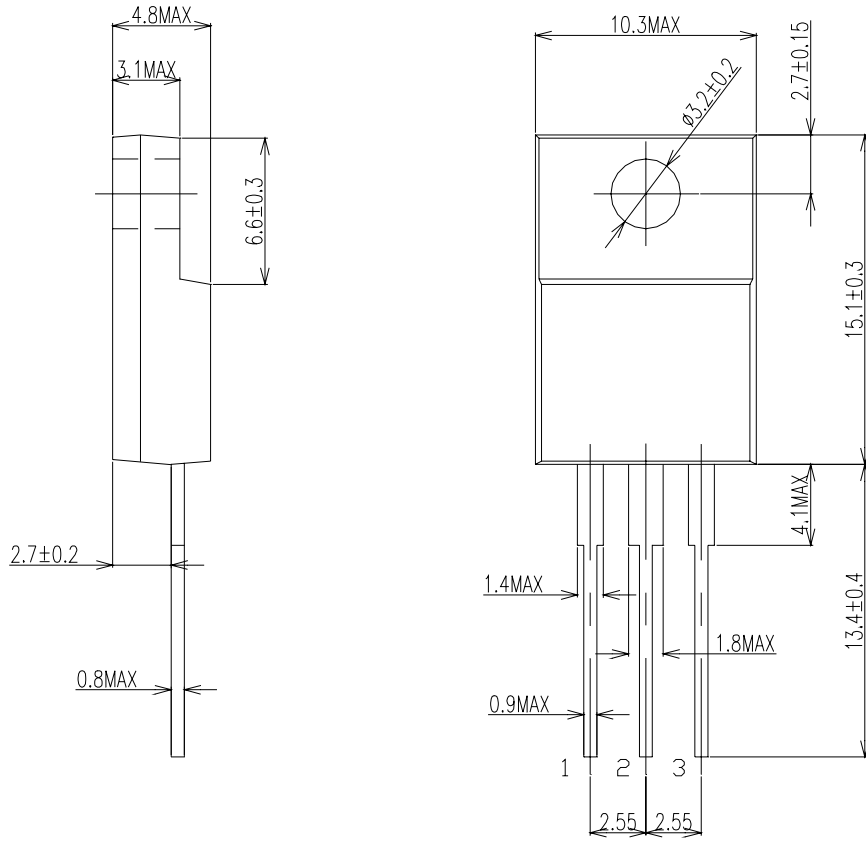
Rating	Symbol	FCH08A06			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	60			V
Repetitive Peak Surge Reverse Voltage	V_{RRSM}	65(pulse width $\leq 1\mu s$ duty $\leq 1/50$)			V
Average Rectified Output Current	I_O	8	$T_c=130^\circ C$	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	8.89			A
Surge Forward Current	I_{FSM}	100	50Hz Full Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T_{jw}	-40 to +150			$^\circ C$
Storage Temperature Range	T_{stg}	-40 to +150			$^\circ C$
Mounting torque	Ftor	recommended torque = 0.5			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	-	-	1	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^\circ C, I_{FM}= 4 A$ per arm	-	-	0.69	V
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	3	$^\circ C/W$
	Rth(c-f)	Cace to Fin	-	-	1.5	$^\circ C/W$



FCH08A06 OUTLINE DRAWING (Dimensions in mm)



Center Tap

