

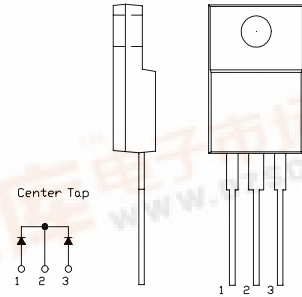


SBD Type : FCH20A10

OUTLINE DRAWING

FEATURES

- *TO-220AB Case
- *Fully Molded
- *Dual Diodes – Cathode Common
- *Low Forward Voltage Drop
- *High Surge Capability
- *Tj=150 °C operation



Maximum Ratings

Approx Net Weight: 1.75g

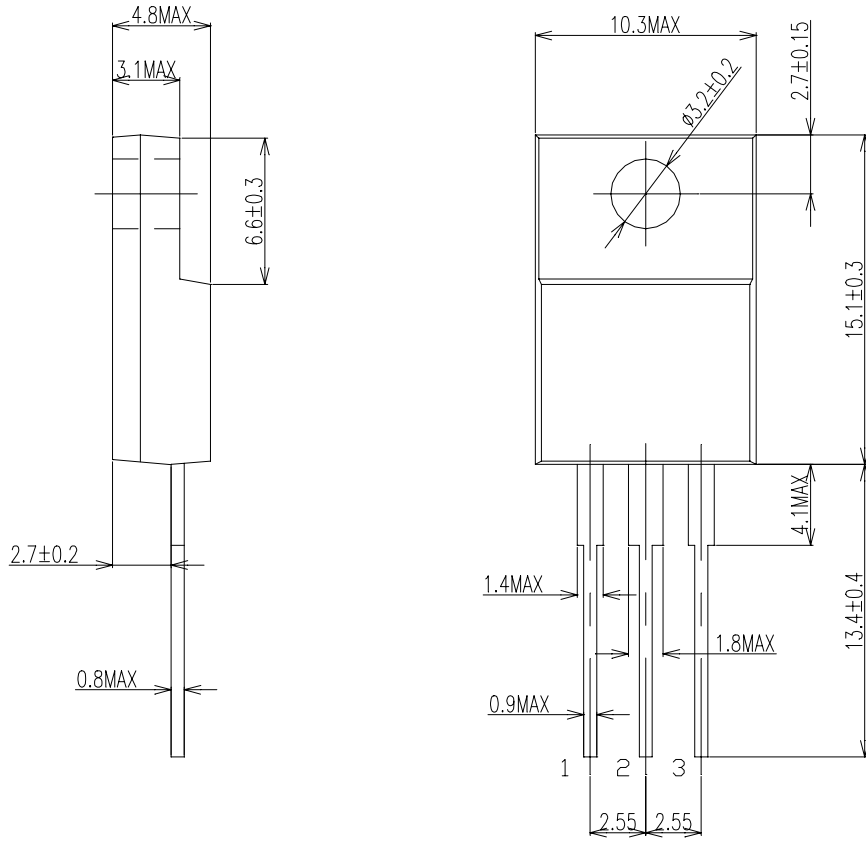
Rating	Symbol	FCH20A10			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	100			V
Average Rectified Output Current	I_O	20	$T_c=120^{\circ}C$	50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	22.2			A
Surge Forward Current	I_{FSM}	180	50Hz Full Sine Wave ,1cycle Non-repetitive		A
Operating 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}	$T_j= 25^{\circ}C, I_{FM}= 10 A$ per arm	-	-	0.88	V
Thermal Resistance	Rth(j-c)	Junction to Case	-	-	1.5	$^{\circ}C/W$
	Rth(c-f)	Cace to Fin	-	-	1.5	$^{\circ}C/W$



FCH20A10 OUTLINE DRAWING (Dimensions in mm)



Center Tap

