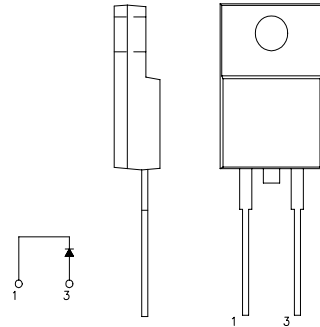


# SBD Type : FSL05A015

OUTLINE DRAWING

## FEATURES

- \*Similar to TO-220AC Case
- \*Fully Molded Isolation
- \*Extremely Low Forward Voltage Drop
- \*Low Power Loss,High Efficiency
- \*High Surge Capability



## Maximum Ratings

Approx Net Weight: 1.7g

Rating	Symbol	FSL05A015		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	15		V
Average Rectified Output Current	$I_O$	5	$T_c=103^{\circ}\text{C}$ 50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	7.85		A
Surge Forward Current	$I_{FSM}$	130	50Hz Half Sine Wave ,1cycle Non-repetitive	A
Operating JunctionTemperature Range	$T_{jw}$	-40 to +125		$^{\circ}\text{C}$
Storage Temperature Range	$T_{stg}$	-40 to +125		$^{\circ}\text{C}$
Mounting torque	$F_{tor}$	recommended torque = 0.5		N•m

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^{\circ}\text{C}$ , $V_{RM}= V_{RRM}$	-	-	5	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}\text{C}$ , $I_{FM}= 5 \text{ A}$	-	-	0.38	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	5	$^{\circ}\text{C}/\text{W}$
	$R_{th(c-f)}$	Case to Fin	-	-	1.5	$^{\circ}\text{C}/\text{W}$

FSL05A015 OUTLINE DRAWING (Dimension in mm)

