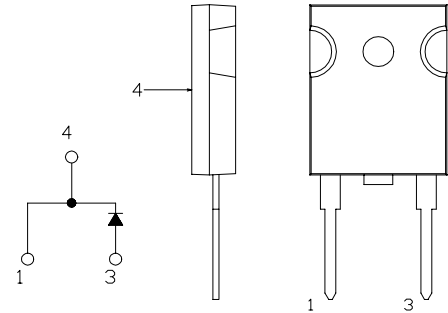


SBD Type : KSH15A10

OUTLINE DRAWING

FEATURES

- * Similar to TO-247AC(TO-3P)Case
- * Low Forward Voltage Drop
- * Low Power Loss,High Efficiency
- * High Surge Current Capability
- * Tj=150°C operation



Maximum Ratings

Approx Net Weight: 5.5g

Rating	Symbol	KSH15A10			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100			V
Average Rectified Output Current	I _O	15	Tc=120°C	50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	I _{F(RMS)}	23.5			A
Surge Forward Current	I _{FSM}	250	50Hz Half 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}	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	2.0	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}, I_{FM}= 15 \text{ A}$	-	-	0.88	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	2.0	°C /W

KSH15A10 OUTLINE DRAWING (Dimention in mm)

