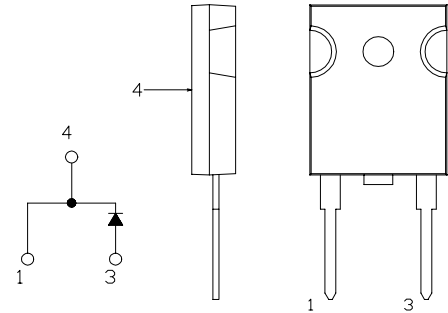


# SBD Type : KSQ30A06

## OUTLINE DRAWING

### FEATURES

- \* Similar to TO-247AC(TO-3P)Case
- \* Low Forward Voltage Drop
- \* Low Power Loss,High Efficiency
- \* High Surge Current Capability
- \* 40 Volts thru 60 Volts Types Available



## Maximum Ratings

Approx Net Weight: 5.5g

Rating	Symbol	KSQ30A06			Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	60			V
Average Rectified Output Current	I <sub>O</sub>	30	T <sub>c</sub> =98℃	50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	I <sub>F(RMS)</sub>	47.1			A
Surge Forward Current	I <sub>FSM</sub>	400	50Hz Half Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T <sub>jw</sub>	-40 to +150			℃
Storage Temperature Range	T <sub>stg</sub>	-40 to +150			℃
Mounting torque	F <sub>tor</sub>	recommended torque = 0.5			N•m

## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	25	mA
Peak Forward Voltage	$V_{FM}$	$T_j= 25^{\circ}\text{C}, I_{FM}= 30 \text{ A}$	-	-	0.67	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.3	$^{\circ}\text{C/W}$

# KSQ30A06 OUTLINE DRAWING (Dimention in mm)

