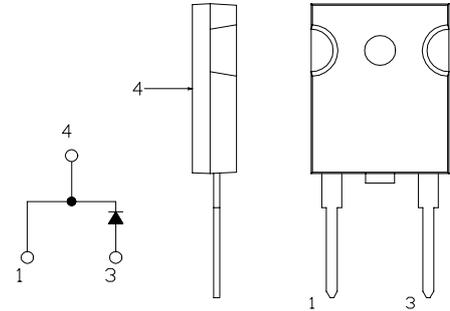


# SBD Type : KSQ30A06

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	$V_{RRM}$	60		V
Average Rectified Output Current	$I_O$	30	$T_c=98^{\circ}C$ 50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	47.1		A
Surge Forward Current	$I_{FSM}$	400	50Hz Half 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	$F_{tor}$	recommended torque = 0.5		N•m

## Electrical • Thermal Characteristics

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

KSQ30A06 OUTLINE DRAWING (Dimension in mm)

