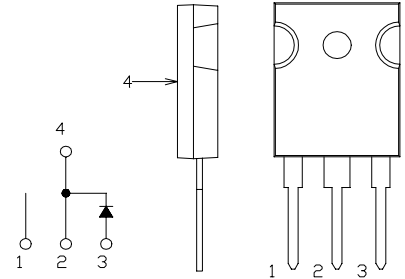


SBD Type : KSQ30A06B

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: 5.55g

Rating	Symbol	KSQ30A06B			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	60			V
Average Rectified Output Current	I _O	30	Tc=98℃	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			℃
Storage Temperature Range	T _{stg}	-40 to +150			℃
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}	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	25	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}, I_{FM}= 30 \text{ A}$	-	-	0.67	V
Thermal Resistance	Junction to Case	$R_{th(j-c)}$	Junction to Case	-	-	1.3 $^{\circ}\text{C/W}$

KSQ30A06B OUTLINE DRAWING (Dimension in mm)

