

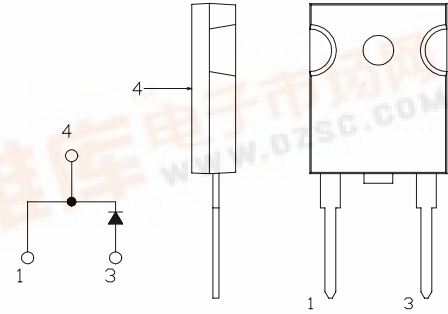


SBD Type : KSQ30A06

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			$N \cdot m$

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)

