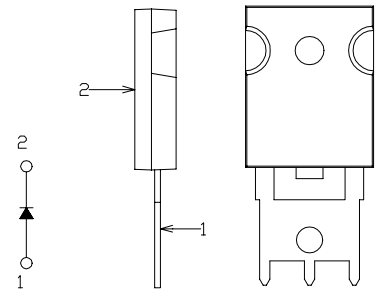


SBD Type : KSQ60A06E

OULINE DRAWING

FEATURES

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



Maximum Ratings

Approx Net Weight: 6.0g

Rating	Symbol	KSQ60A06E			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	60			V
Average Rectified Output Current	I_O	60	$T_c=87^\circ\text{C}$	50 Hz half Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	94.2			A
Surge Forward Current	I_{FSM}	700	50Hz Half Sine Wave ,1cycle Non-repetitive		A
Operating JunctionTemperature Range	T_{jw}	-40 to +150			$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40 to +150			$^\circ\text{C}$
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}	$T_j= 25^\circ\text{C}, V_{RM}= V_{RRM}$	-	-	40	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^\circ\text{C}, I_{FM}= 60 \text{ A}$	-	-	0.71	V
Thermal Resistance	Junction to Case	$R_{th(j-c)}$ Junction to Case	-	-	0.75	$^\circ\text{C}/\text{W}$

KSQ60A06E OUTLINE DRAWING (Dimension in mm)

