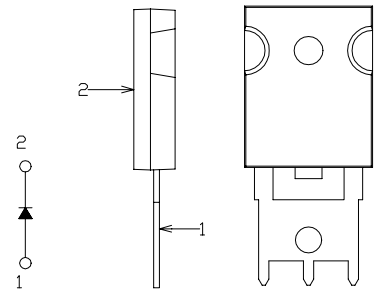


SBD Type : KSQ60A03LE

OUTLINE DRAWING

FEATURES

- * Similar to TO-247AC(TO-3P)Case
- * Extremely 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	KSQ60A03LE			Unit
Repetitive Peak Reverse Voltage	V _{RRM}	30			V
Average Rectified Output Current	I _O	60	Tc=106℃	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			℃
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}	$T_j= 25^{\circ}\text{C}, V_{RM}= V_{RRM}$	-	-	40	mA
Peak Forward Voltage	V_{FM}	$T_j= 25^{\circ}\text{C}, I_{FM}= 60 \text{ A}$	-	-	0.54	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	0.75	$^{\circ}\text{C} / \text{W}$

KSQ60A03LE OUTLINE DRAWING (Dimention in mm)

