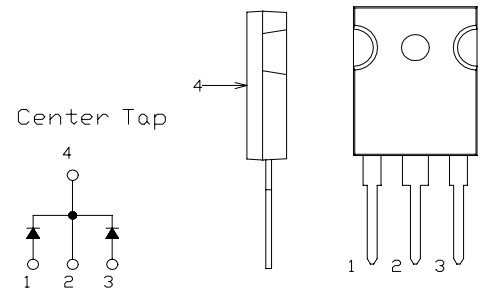


SBD Type : KCQ30A06

OUTLINE DRAWING

FEATURES

- * Similar to TO-247AC(TO-3P)Case
- * Dual Diodes Cathode Common
- * 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: 5.55g

Rating	Symbol	KCQ30A06		Unit
Repetitive Peak Reverse Voltage	V_{RRM}	60		V
Average Rectified Output Current	I_O	30	$T_c=102^{\circ}C$ 50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	33.3		A
Surge Forward Current	I_{FSM}	200	50Hz Full 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}	$T_j= 25^{\circ}C, V_{RM}= V_{RRM}$ per Arm	-	-	15	mA
Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}=15A$ per Arm	-	-	0.65	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.3	$^{\circ}C/W$

