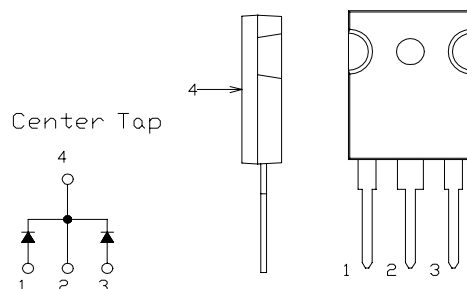


# SBD Type : KCQ60A06

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
- \* 40 Volts thru 60 Volts Types Available



## Maximum Ratings

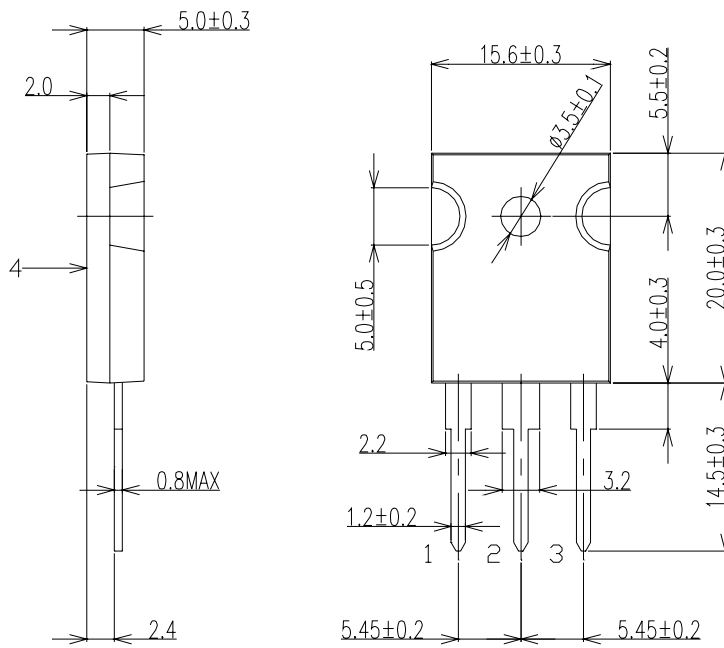
Approx Net Weight: 5.55g

Rating	Symbol	KCQ60A06		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	60		V
Average Rectified Output Current	$I_O$	60	$T_c=69^\circ\text{C}$ 50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	66.6		A
Surge Forward Current	$I_{FSM}$	400	50Hz Full 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		$\text{N}\cdot\text{m}$

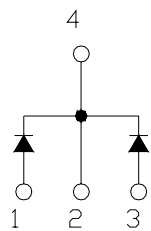
## Electrical • Thermal Characteristics

Characteristics	Symbol	Conditions	Min.	Typ.	Max.	Unit
Peak Reverse Current	$I_{RM}$	$T_j= 25^\circ\text{C}$ , $V_{RM}= V_{RRM}$ per Arm	-	-	25	mA
Peak Forward Voltage	$V_{FM}$	$T_j=25^\circ\text{C}$ , $I_{FM}=30\text{A}$ per Arm	-	-	0.67	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.0	$^\circ\text{C}/\text{W}$

KCQ60A06 OUTLINE DRAWING (Dimensions in mm)



Center Tap



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[www.DatasheetCatalog.com](http://www.DatasheetCatalog.com)

Datasheets for electronic components.