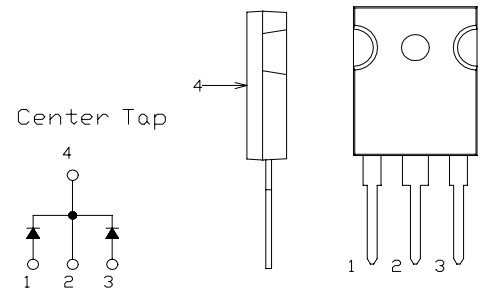


# SBD Type : KCQ30A04

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

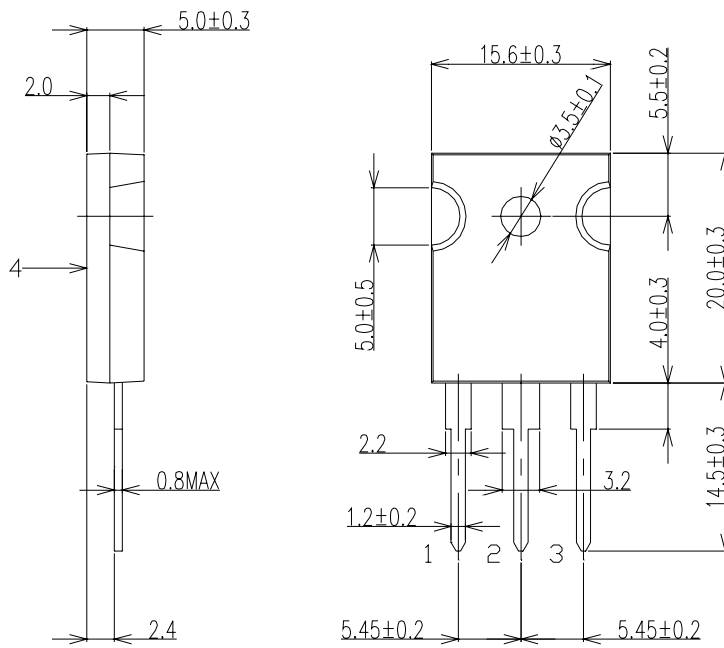
Approx Net Weight: 5.55g

Rating	Symbol	KCQ30A04		Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	40		V
Average Rectified Output Current	$I_O$	30	$T_c=110^{\circ}C$ 50 Hz Full Sine Wave Resistive Load	A
RMS Forward Current	$I_{F(RMS)}$	33.3		A
Surge Forward Current	$I_{FSM}$	300	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	-	-	0.55	V
Thermal Resistance	$R_{th(j-c)}$	Junction to Case	-	-	1.3	$^{\circ}C/W$

KCQ30A04 OUTLINE DRAWING (Dimensions in mm)



Center Tap

