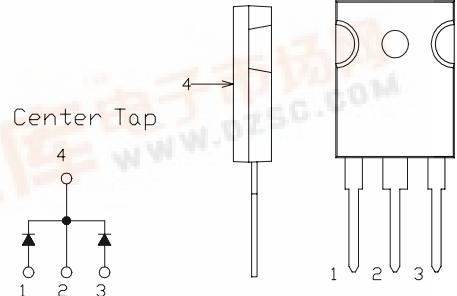


SBD Type : KCQ20A04

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

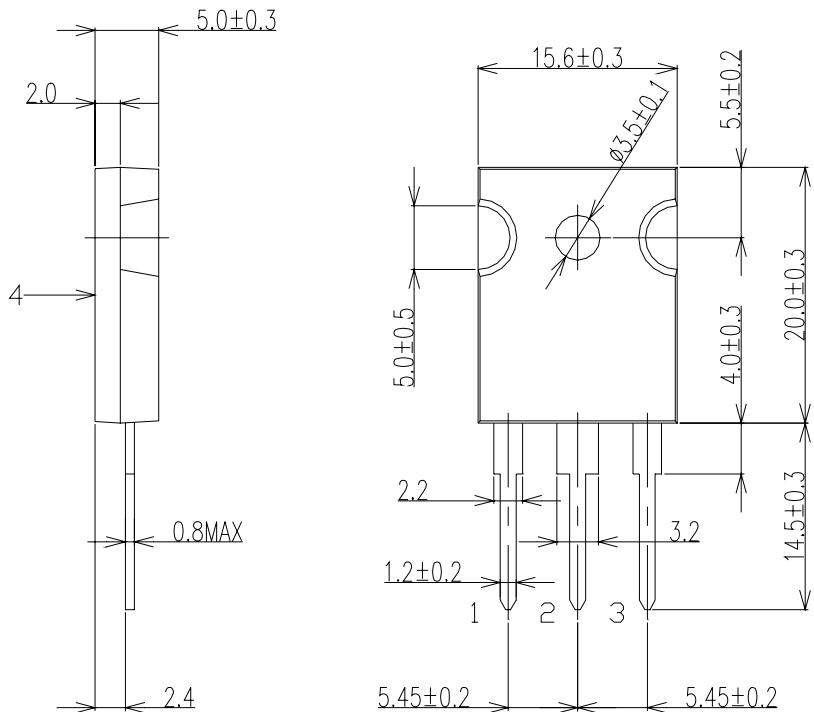
Rating	Symbol	KCQ20A04			Unit		
Repetitive Peak Reverse Voltage	V_{RRM}	40			V		
Average Rectified Output Current	I_o	20	$T_c=119^\circ C$	50 Hz Full Sine Wave Resistive Load	A		
RMS Forward Current	$I_{F(RMS)}$	22.2			A		
Surge Forward Current	I_{FSM}	180	50Hz Full Sine Wave ,1cycle Non-repetitive		A		
Operating JunctionTemperature Range	T_{jw}	-40 to +150			°C		
Storage Temperature Range	T_{stg}	-40 to +150			°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	-	-	10	mA
Peak Forward Voltage	V_{FM}	$T_j=25^\circ C$, $I_{FM}=10A$ per Arm	-	-	0.55	V
Thermal Resistance Junction to Case	$R_{th(j-c)}$	Junction to Case	-	-	1.5	°C/W



KCQ20A04 OUTLINE DRAWING (Dimensions in mm)



Center Tap

