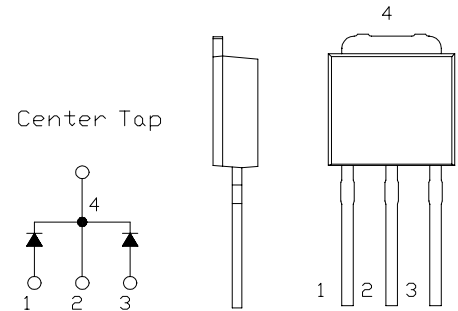


# SBD Type : EA20QC04

## OUTLINE DRAWING

### FEATURES

- \* TO-251AA Case
- \* Dual Diodes Cathode Common
- \* Low Forward Voltage drop
- \* Low Power Loss
- \* High Surge Capability
- \* 40 Volts thru 100 Volts Types Available



### Maximum Ratings

Approx Net Weight:0.35g

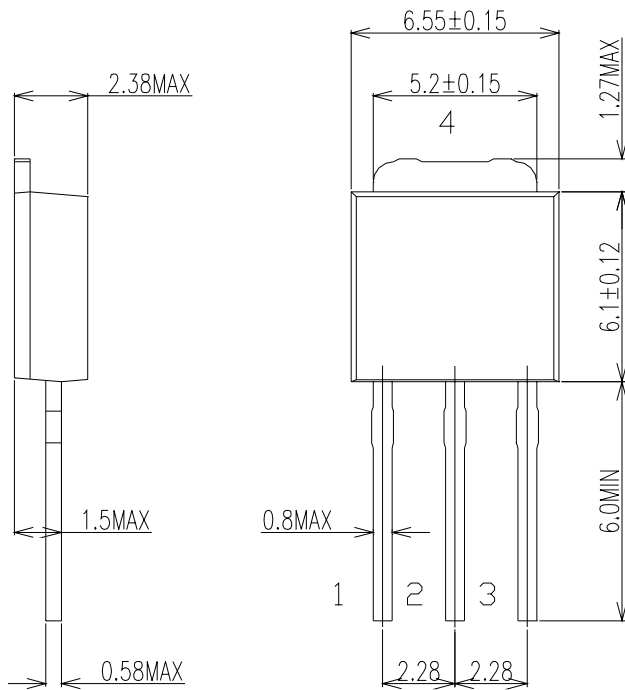
Rating		Symbol	EA20QC04			Unit
Repetitive Peak Reverse Voltage		$V_{RRM}$	40			V
Non-repetitive Peak Reverse Voltage		$V_{RSM}$	45			V
Average Rectified Output Current	P.C.Board mounted *	$I_O$	1.6	$T_a=31^{\circ}C$	50Hz Full Sine Wave Resistive Load	A
	-		2	$T_c=137^{\circ}C$		
RMS Forward Current		$I_{F(RMS)}$	2.22			A
Surge Forward Current		$I_{FSM}$	20	50Hz Full Sine Wave, 1 cycle, Non-repetitive		A
Operating Junction Temperature Range		$T_{jw}$	- 40 to + 150			$^{\circ}C$
Storage Temperature Range		$T_{stg}$	- 40 to + 150			$^{\circ}C$

### 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	-	-	1.0	mA
Peak Forward Voltage		$V_{FM}$	$T_j=25^{\circ}C, I_{FM}= 1$ A per Arm	-	-	0.55	V
Thermal Resistance	Junction to Ambient	$R_{th(j-a)}$	P.C.Board mounted *	-	-	80	$^{\circ}C/W$
	Junction to Case	$R_{th(j-c)}$	-	-	-	6	$^{\circ}C/W$

\* Print Land = 20x20 mm

EA20QC04 OUTLINE DRAWING (Dimensions in mm)



Center Tap

