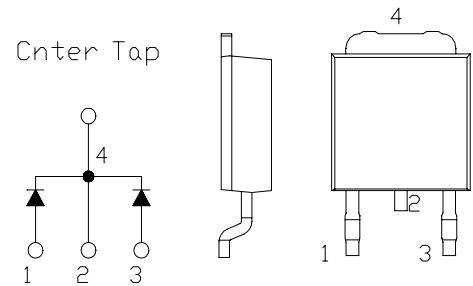


SBD Type : EA20QC09-F

OUTLINE DRAWING

FEATURES

- * TO-252AA Case, Surface Mount Device
- * Dual Diodes Cathode Common
- * Low Forward Voltage drop
- * Low Power Loss
- * High Surge Capability
- * 40 Volts thru 100 Volts Types Available
- * Packaged in 16mm Tape and Reel



Maximum Ratings

Approx Net Weight:0.30g

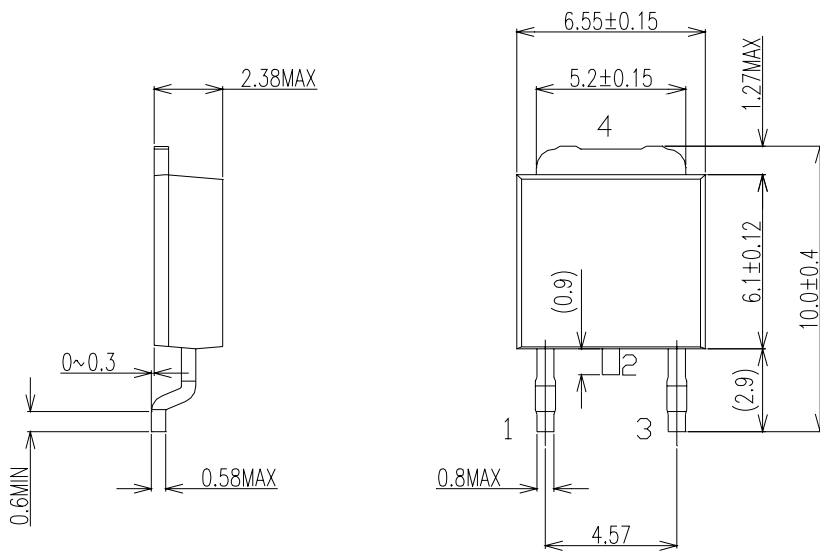
Rating	Symbol	EA20QC09-F			Unit
Repetitive Peak Reverse Voltage	V_{RRM}	90			V
Average Rectified Output Current	I_O	1.6	$T_a=36^{\circ}C$	50Hz Full Sine Wave Resistive Load	A
		2	$T_c=138^{\circ}C$		
RMS Forward Current	$I_{F(RMS)}$	2.22			A
Surge Forward Current	I_{FSM}	20	50Hz Full Sine Wave, 1cycle, 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

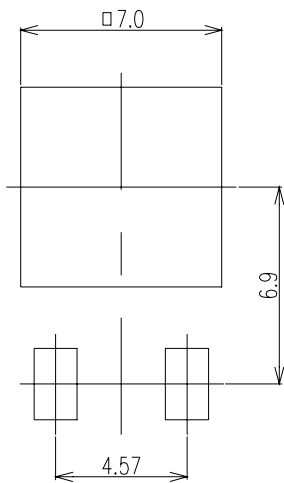
Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	I_{RM}	$T_j=25^{\circ}C, V_{RM}=V_{RRM}$ per Arm	-	-	0.5	mA
Peak Forward Voltage	V_{FM}	$T_j=25^{\circ}C, I_{FM}= 1 A$ per Arm	-	-	0.58	V
Thermal Resistance	Junction to Ambient	$R_{th(j-a)}$	P.C.Board mounted *		80	$^{\circ}C/W$
	Junction to Case	$R_{th(j-c)}$	-		6	$^{\circ}C/W$

* Print Land = 20x20 mm

EA20QC09-F OUTLINE DRAWING (Dimensions in mm)



SOLDERING PAD



Center Tap

