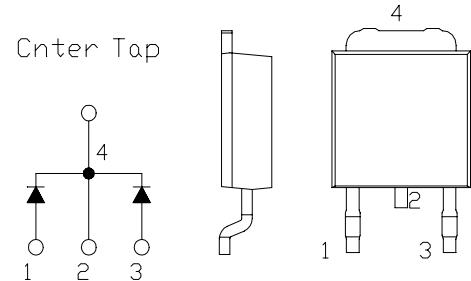


# FRD Type : EA61FC6-F

## OUTLINE DRAWING

### FEATURES

- \* TO-252AA Case, Surface Mounting Device
- \* Packaged in 16mm Tape and Reel
- \* Ultra - Fast Recovery
- \* Low Forward Voltage drop
- \* Low Power Loss
- \* High Surge Capability
- \* 200 Volts thru 600 Volts Types Available



### Maximum Ratings

Approx Net Weight: 0.30g

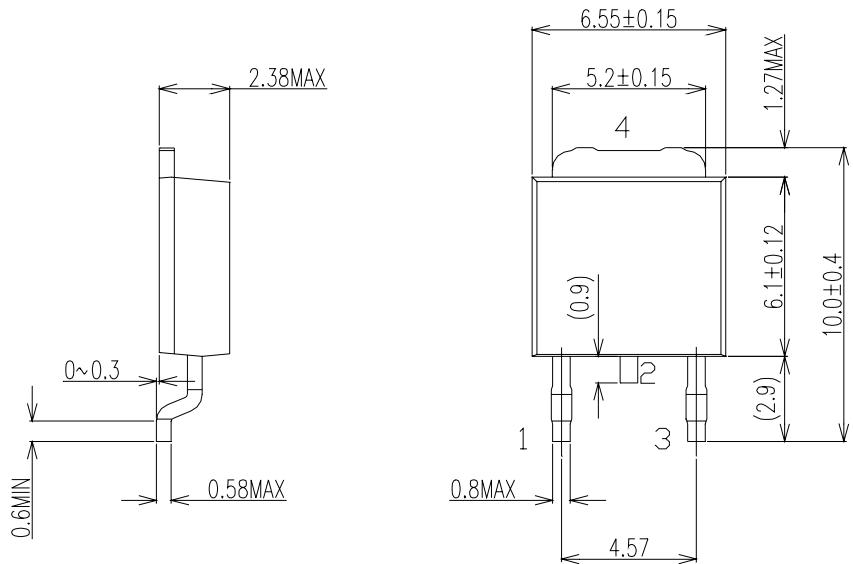
Rating	Symbol	EA61FC6-F				Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	600				V
Average Rectified Output Current	I <sub>O</sub>	1.4	T <sub>a</sub> =26°C	50Hz Full Sine Wave Resistive Load		
		6.0	T <sub>c</sub> =100°C	A		
RMS Forward Current	I <sub>F(RMS)</sub>	6.66				A
Surge Forward Current	I <sub>FSM</sub>	45	50Hz Full Sine Wave, 1cycle, Non-repetitive			
Operating Junction Temperature Range	T <sub>jw</sub>	- 40 to + 150				°C
Storage Temperature Range	T <sub>stg</sub>	- 40 to + 150				°C

### Electrical • Thermal Characteristics

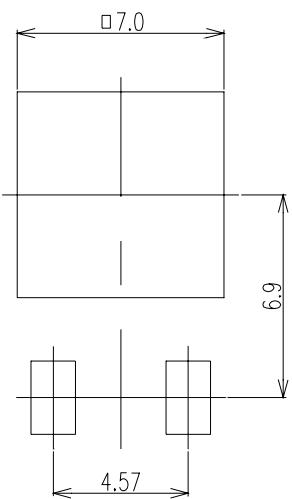
Characteristics		Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current	I <sub>RM</sub>	T <sub>j</sub> =25°C, V <sub>RRM</sub> =V <sub>RRM</sub> per Arm	-	-	20	μA	
Peak Forward Voltage	V <sub>FM</sub>	T <sub>j</sub> =25°C, I <sub>FM</sub> = 3 A per Arm	-	-	1.7	V	
Reverse Recovery Time	trr	I <sub>FM</sub> = 3 A, -di/dt= 50 A/μs, T <sub>a</sub> = 25°C	-	-	35	ns	
Thermal Resistance	Junction to Ambient	R <sub>th(j-a)</sub>	P.C. Board mounted *	-	-	80	°C/W
	Junction to Case	R <sub>th(j-c)</sub>	-	-	5	°C/W	

\* Print Land = 20x20 mm

## EA61FC6-F OUTLINE DRAWING (Dimensions in mm)



## SOLDERING PAD



Center Tap

