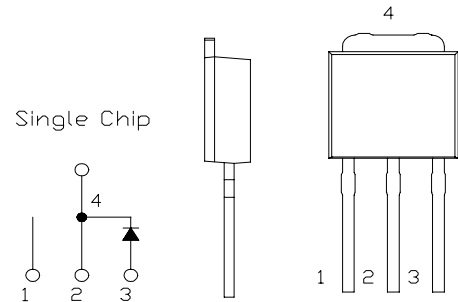


SBD Type : EA30QS09

OUTLINE DRAWING

FEATURES

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



Maximum Ratings

Approx Net Weight:0.35g

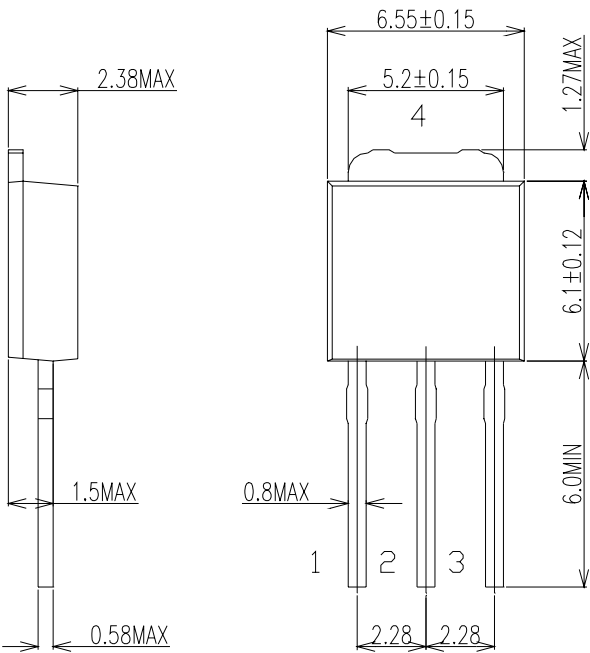
Rating		Symbol	EA30QS09			Unit
Repetitive Peak Reverse Voltage		V _{RRM}	90			V
Average Rectified Output Current	P.C.Board mounted *	I _O	1.6	Ta=38°C	50Hz Half Sine Wave Resistive Load	A
	-		3.0	Tc=133°C		
RMS Forward Current		I _{F(RMS)}	4.71			A
Surge Forward Current		I _{FSM}	45	50Hz Half Sine Wave,1cycle, Non-repetitive		A
Operating JunctionTemperature Range		T _{jw}	- 40 to + 150			°C
Storage Temperature Range		T _{stg}	- 40 to + 150			°C

Electrical • Thermal Characteristics

Characteristics		Symbol	Conditions	Min	Typ	Max	Unit
Peak Reverse Current		I_{RM}	$T_j=25^{\circ}\text{C}, V_{RM}=V_{RRM}$	-	-	1.0	mA
Peak Forward Voltage		V_{FM}	$T_j=25^{\circ}\text{C}, I_{FM}=3\text{ A}$	-	-	0.85	V
Thermal Resistance	Junction to Ambient	$R_{th(j-a)}$	P.C.Board mounted *	-	-	80	$^{\circ}\text{C/W}$
	Junction to Case	$R_{th(j-c)}$	-	-	-	6	$^{\circ}\text{C/W}$

* Print Land = 20x20 mm

EA30QS09 OUTLINE DRAWING (Dimensions in mm)



Single Chip

