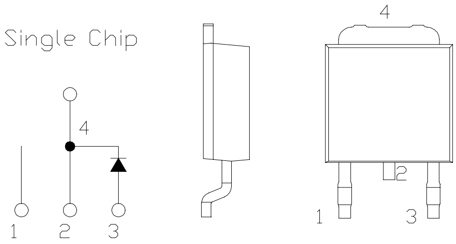
Nihon Inter Electronics Corporation

SBD Type : EA30QS10-F

OUTLINE DRAWING



FEATURES

* TO-252AA Case, Surface Mounting Device

* 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	EA30QS10-F			Unit
Repetitive Peak Reverse Voltage		V_{RRM}	100			V
Average Rectified Output Current	P.C.Board mounted *	I_O	1.6	Ta=34°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		Tjw	- 40 to + 150			°C
Storage Temperature Range		Tstg	- 40 to + 150			°C

Electrical • Thermal Characteristics

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

* Print Land = 20x20 mm

EA30QS10-F OUTLINE DRAWING (Dimensions in mm)