INPHENIX

Evaluation Board for SOA

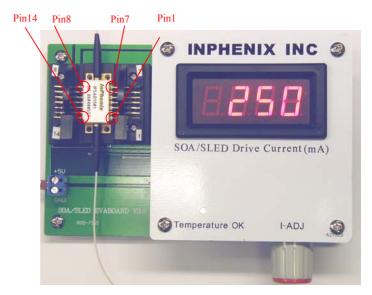
IPEVM1010

Feature

- Adjustable Forward Current up to 320 mA
- Temperature Controlled to 25° C
- Single +5V Power Supply

Applications

Evaluation of InPhenix's SOA Devices



Performance Characteristics

Parameter	Symbol	Min.	Тур.	Max.	Unit
SOA Forward Current	I_{F}			320	mA
Chip Temperature	T_{C}		25		°C
TEC Current	I_{TEC}		0.4	1.2	A
Power Consumption	P		3	6	W
Physical Dimensions			140×11	8	$mm \times mm$
Connection	See Pin Assignment Table				

Butterfly Socket Pin Assignment

Pin	14-pin Butterfly		
	Package		
1	TEC+		
2	Thermistor		
3	As pin 2		
4	As pin 5		
5	Thermistor		
6	NC		
7	NC		
8	NC		
9	NC		
10	SOA+		
11	SOA-		
12	NC		
13	NC		
14	TEC-		

Power Port Pin Assignment

Pin	Connection	
+5V	5VDC +	
GND	5VDC -	

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Product Specification, Revision 1.3



Operation Instructions

- 1) Connect the board to +5VDC power supply as the board indicated, and make sure power is off.
- 2) Mount SOA into SOA socket and screw it down to make sure good contact with heat sink.
- 3) Turn on the power.
- 4) Tune the knob clockwise to increase the drive current or counter clockwise to decrease drive current.
- 5) When test finishes, decrease the current to 0mA and turn off the power before detach the SOA.

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