

INPHENIX

Evaluation Board for SOA

IPEVM1010

Feature

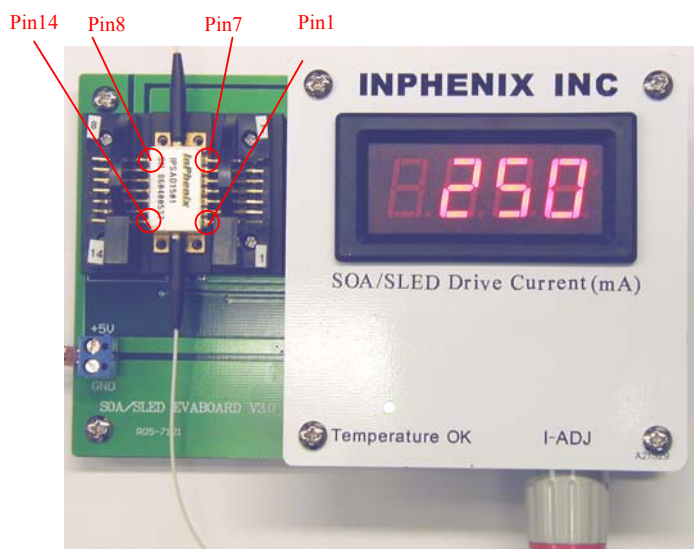
- Adjustable Forward Current up to 320 mA
- Temperature Controlled to 25° C
- Single +5V Power Supply

Applications

- Evaluation of InPhenix's SOA Devices

Performance Characteristics

Parameter	Symbol	Min.	Typ.	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 × 118			mm × 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 -



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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