

INPHENIX

Evaluation Board for Super-Luminescent Light Emitting Diodes (SLEDs)

IPEVM1020-2

Feature

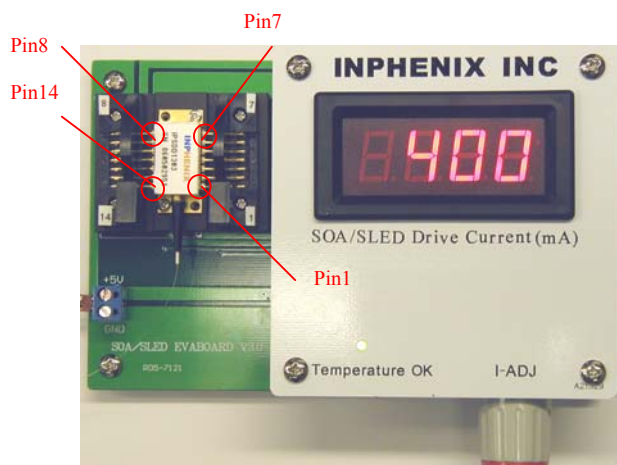
- Adjustable Forward Current up to 600 mA
- Temperature Controlled to 25° C
- Single +5V Power Supply

Applications

- Evaluation of InPhenix's SLED Devices

Performance Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit
SLED Forward Current	I_F			650	mA
Chip Temperature	T_C		25		°C
TEC Current	I_{TEC}		0.4	1.2	A
Power Consumption	P		4	7	W
Physical Dimensions		140 × 118			mm × mm
Connection	See Pin Assignment Table				



Butterfly/DIL Socket Pin Assignment

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

Power Port Pin Assignment

Pin	Connection
+5V	5VDC +
GND	GND



Operation Instructions

- 1) Connect the board to +5VDC power supply as the board indicated, and make sure power is off.
- 2) Mount SLD into SLD 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 SLD.

Part Number:

IPEVM1020 – X

X = 1 for 14-pin DIL package
2 for 14-pin Butterfly package

Corporate Office

250 North Mines Rd
Livermore, CA 94551
Tel: 925.606.8809
Fax: 925.606.8810
www.inphenix.com