# **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.	Тур.	Max.	Unit
SLD Forward Current	I <sub>F</sub>			650	mA
Chip Temperature	T <sub>C</sub>		25		°C
TEC Current	I <sub>TEC</sub>		0.4	1.2	А
Power Consumption	Р		4	7	W
Physical Dimensions			$140 \times 11$	8	$mm \times mm$
Connection	See Pin Assignment Table				

#### **Butterfly Socket Pin Assignment**

Pin	14- pin DIL	14-pin Butterfly	
	Package	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	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 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**

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