

INPHENIX

Evaluation Board for SLDs/DFBs/FPs

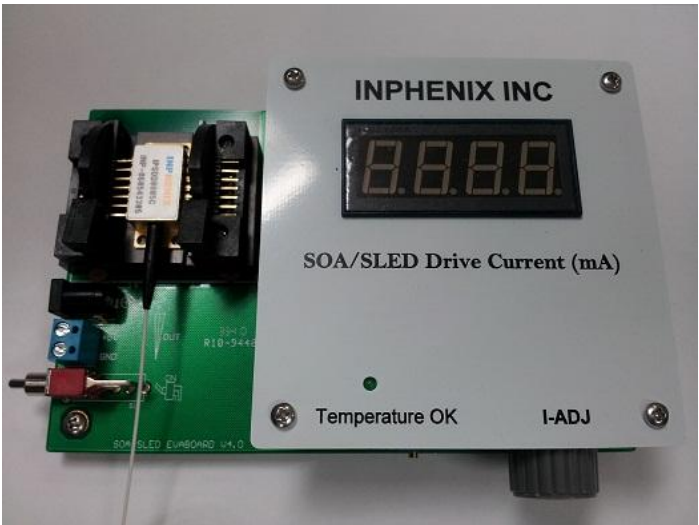
IPEVM1020

Feature

- Adjustable Forward Current up to 650mA or 1000mA*
- Temperature Controlled to 25°C
- Single +5V Power Supply Input

Applications

- Evaluation of InPhenix’s SLD/DFB/FP Devices



Performance Characteristics

Parameter	Symbol	Min.	Typ.		Max. *		Unit
			-S	-H	-S	-H	
SLD/DFB/FP Forward Current	I _F	-	350	650	650	1000	mA
Chip Temperature	T _C	-	25		-		°C
TEC Current	I _{TEC}	-	0.4		1.2		A
Power Consumption	P	-	3	4.5	8.5	10.2	W
Physical Dimensions		150 × 118× 40					mm
Connection	See Pin Assignment Table						

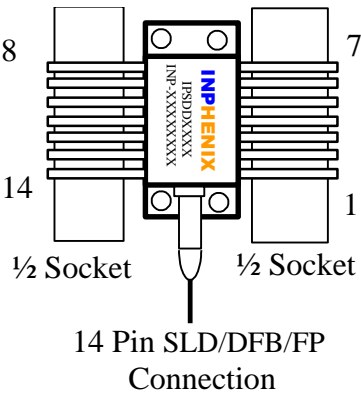
* Base this setting upon each SLD/DFB/FP Device’s maximum rated current.

Butterfly/DIL Socket Pin Assignment

Pin	14-pin DIL Package	14-pin Butterfly Package
1	TEC+	TEC+
2	NC	Thermistor
3	NC	Same as 2
4	NC	Same as 5
5	SLD Anode(+)	Thermistor
6	NC	NC
7	NC	NC
8	NC	NC
9	SLD Cathode(-)	NC
10	CASE	SLD Anode(+)
11	Thermistor	SLD Cathode(-)
12	Thermistor	NC
13	NC	NC
14	TEC-	TEC-

Power Port Pin Assignment

Pin	Connection
+5V	+5V DC+
GND	GND





Operation Instructions

- 1) Connect the customer provided universal power AC/DC adaptor (output +5V) to the DC jack on the board, and make sure the power switch is at the OFF position.
- 2) Tune the knob counterclockwise fully until it stops to ensure the drive current is 0mA when the power becomes turned on.
- 3) Mount SLD/DFB/FP into SLD/DFB/FP socket and screw it down to ensure good contact with heat sink.
- 4) Turn on the power switch. The Temperature OK indicator will blink for a second and remain on. The green LED indicates operation is normal. Please check the SLD/DFB/FP connection if the LED is off or abnormal.
- 5) Tune the knob clockwise to increase the drive current or counterclockwise to decrease drive current.
- 6) When testing is finished, decrease the current to 0mA and turn off the power before detaching the SLD/DFB/FP.

Part Number:

IPEVM1020 –SX: Standard SLD/DFB/FP EVB (Evaluation Board) for max current < 650mA

IPEVM1020– HX: High Power SLD/DFB/FP EVB (Evaluation Board)

IPEVM1020-D: Mini (Type D) EVB (Evaluation Board)

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

Optional:

Order +5V/2A Universal Power (100VAC-240VAC) AC/DC Adaptor from InPhenix.

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