

product offered by



# LASER LAB SOURCE marketplace for Scientists & Engineers



contact@LaserLabSource.com

+1 406.219.1472

www.LaserLabSource.com

## **PRODUCT DATA SHEET**



1-TEC (-) 34- Laser Anode(+)
5- Thermistor (2)
6- Thermistor (1)
7- Laser Cathode (-)
8- PD Anode (+)
9- PD Cathode (-)
10- TEC (+)

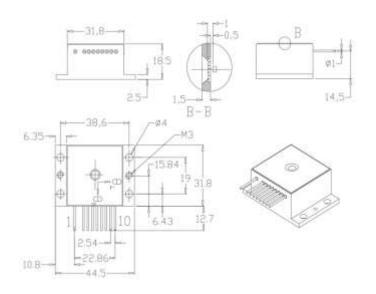
Laser Diode (HHL w/window package)

## Model FB-M1120-3000HO

Specification	Symbol	Typical	Unit
L	aser Emitter		
Peak Wavelength	λορ	1120±10	nm
CW Optical Output Power	Pop	3	W
Operation Current	lop	<4.5	Α
Operation Voltage	Uld	1.4±0.1	V
Threshold Current	Ith	<0.6	Α
Beam Divergence (FWHM)	θ	9±2	degree
Beam Divergence (FWHM)	θŢ	1	degree
Spectrum Half-Width (FWHM)	Δλ	<7	nm
Emitting Area	Wxd	100x1	μтхμт
Operation Mode	-	CW, QCW,	-
		Pulse (τ>5ns)	
Operation Temperature	Тор	25	degree
Photo Diode Monitor			
PD Monitor Current		1-1000	μΑ
PD Reverse Voltage		9	V
TEC			
Maximum Current		5	Α
Maximum Operation Voltage		3,8	V
Thermistor			
Resistance		10	kilohm
Wavelength Temperature Coefficient	Δλ/ΔΤ	3±0.2	Å/degree
Operation Current Temperature Coefficient	ΔΙ/ΔΤ	15±5	mA/degree
Operation Temperature Range		-20 +40	degree
Storage Temperature Range		-40 +80	degree

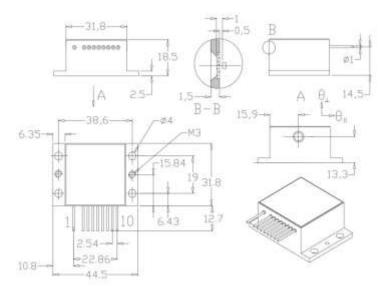


# Dimensions and pinouts



- 1-TEC (-)
- 2-
- 3-
- 4- Laser Anode(+)
- 5- Thermistor (2)
- 6- Thermistor (1)
- 7- Laser Cathode (-)
- 8- PD Anode (+)
- 9- PD Cathode (-)
- 10- TEC (+)

Output window of 0.5 mm in thickness



- 1- TEC (-)
- 2-
- 3-
- 4- Laser Anode(+)
- 5- Thermistor (2)
- 6- Thermistor (1)
- 7- Laser Cathode (-)
- 8- PD Anode (+)
- 9- PD Cathode (-)
- 10- TEC (+)

Output window of 0.5 mm in thickness

### **PRODUCT WARRANTY:**

This product is sold with a full one year warranty. The warranty includes all parts and labor. It is warrantied to be free from defects in material and workmanship for a period of one year from the date of shipment. The warranty does not include damage to the product due to customer mishandling or use of the product outside of its specified maximum ratings.

#### INSTALLATION SUPPORT OR TECHNICAL SUPPORT FOR THIS PRODUCT:

800-887-5065 extension 1 contact@laserdiodesource.com



Part of the Laser Lab Source Group:

LaserLabSource.com LaserDiodeSource.com LaserDiodeControl.com

Laser Diode Technologies

Laser Lab Source Inc.

1820 W. Lincoln Street Bozeman, MT USA 59715 contact@LaserDiodeSource.com contact@LaserDiodeControl.com 800-887-5065