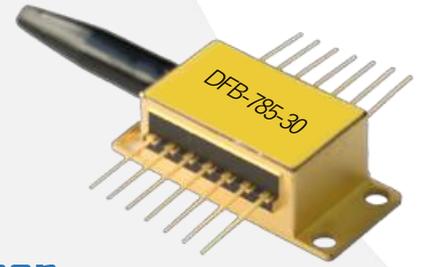




# DFB-785-30



DEVICE

## 785 nm, up to 30 mW DFB Butterfly Laser, PM Output

OVERVIEW

The Optilab DFB-785-30 is a PM fiber coupled diode laser at 785 nm in a standard 14-pin butterfly package. It provides a pure, single longitudinal mode, and extremely stable wavelength source up to 30 mW of output optical power with a high Side Mode Suppression Ratio (SMSR). The standard 14-pin butterfly package integrates a TEC, a thermistor, a back facet power monitor PD . Contact Optilab for more information.

FEATURES

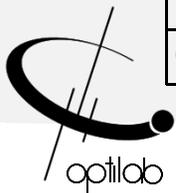
- 785 nm
- 5 um PM Fiber
- Built -in TEC, Thermistor and Monitor PD
- Hermetically Sealed 14 Pin Butterfly Package

USE IN

- Medical Laser Treatment
- Biotechnology
- Others

### GENERAL SPECIFICATIONS (Electrical & Optical Characteristics)

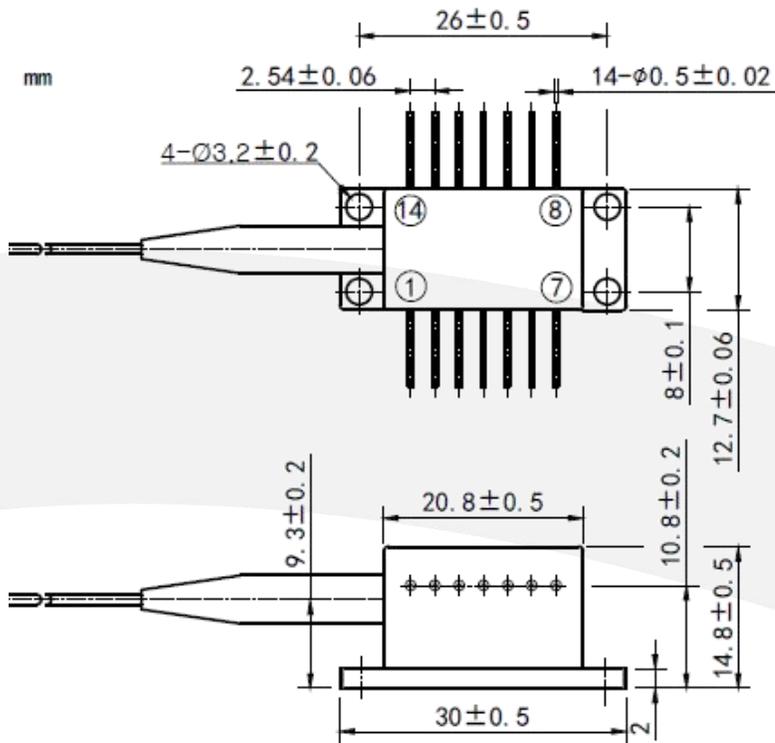
Parameter	Min	Typ.	Max	Unit
Central Wavelength	775	785	795	nm
Spectral Width	-	2	-	nm
Output Power	-	30	-	mW
Threshold Current	-	30	60	mA
Operating Current	-	145	165	mA
Operating Voltage	-	2.1	2.6	V
Polarization Extinction Ratio	-	13	-	dB
TEC Max Current	1.3 A			
TEC Max Voltage	4 V			
Thermistor	10 K			
Fiber Type	PM			
Fiber Core	5 um			
Connector	FC/APC			





# DFB-785-30

## MECHANICAL DRAWING



## Pin Assignment

PIN	FUNCTION	PIN	FUNCTION
1	TEC(+)	14	TEC(-)
2	Thermistor	13	CASE
3	PD(+)	12	None
4	LD(+)&PD(-)	11	LD(-)
5	Thermistor	10	LD(+)&PD(-)
6	None	9	None
7	None	8	None

## LASER SAFETY INFORMATION

All Versions of this laser are Class 1M laser product, tested according to IEC 60825-1:2014/EN 60825-1:2014 Single-mode fiber pigtail with FC/APC connectors (standard).

Wavelength = 1.5 μm. Maximum power = 80 mW.

Because of size constraints, laser safety labeling (including an FDA class 1M label) is not affixed to the module but attached to the outside of the shipping carton.

Caution: Use of controls, adjustments and procedures other than those specified herein may result in hazardous laser radiation exposure.

