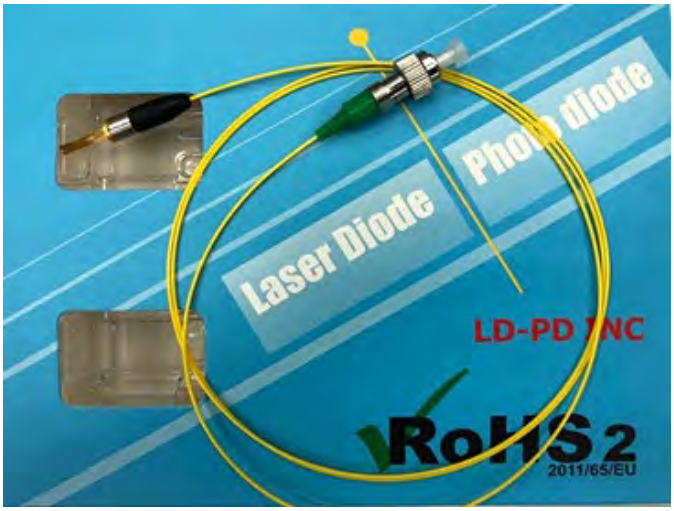
850nm TO46 polarization maintaining fiber coupled VCSEL diode(With TEC)



Description:

VCSEL is a vertical emission MOVPE grown GaAsP/AlGaAs single-mode diode laser. Wavelength tuning can be achieved by laser current and temperature tuning. Built in Tec and thermistor.

Features:

- electrical and optical properties are less dependent on temperature
- vertical cavity surface emitting laser
- internal Tec and thermistor, ESD protection
- narrow line width
- 2nm tunable

Application:

- CPT atomic clock
- Optical coherence experiment

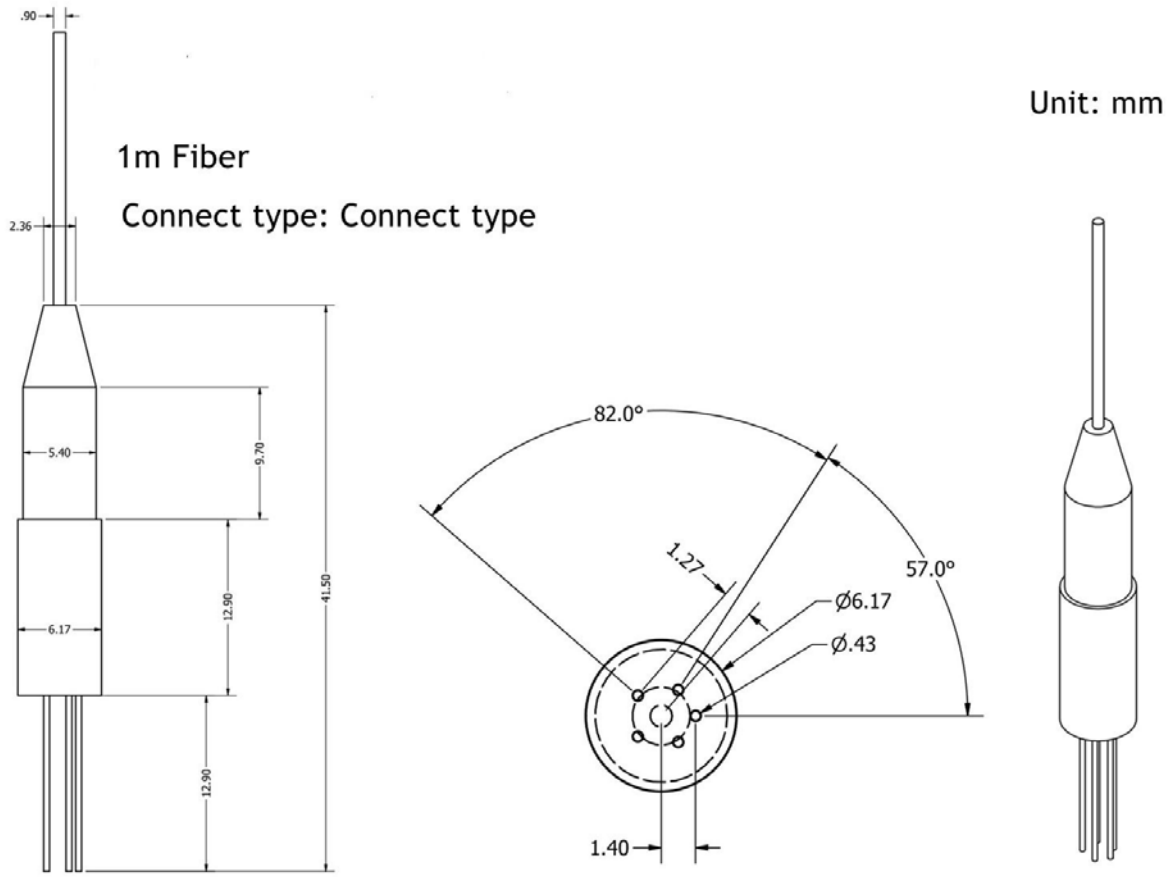
E/O Characteristics:

Condition:TO P = 25°C

Parameters	value
Emission Wavelength	850 nm ± 10 nm
Guaranteed output power	≥0.3 mW
Threshold current	1.2 mA
Laser current	6 mA
Laser voltage	2.1 V
Test output power	1.2 mW
polarization extinction ratio (PER)	＞16 dB
Fiber type	PMF Polarization maintaining fiber
Fiber length	＞80 cm
Connect type	FC/APC
Package type	TO46 Coaxial package

NOTE: Please clean the fiber end before operating it, and make sure no dust on the fiber end.

Pin definition:



Safety Information:

- Avoid eye exposure to direct or scattered radiation.
- ESD precautions must be taken.
- Use constant current power supply. Avoid surge current.
- Laser diode must be used according to the specifications.
- Laser diode must work with good cooling.
- Storage:-20℃+80℃.