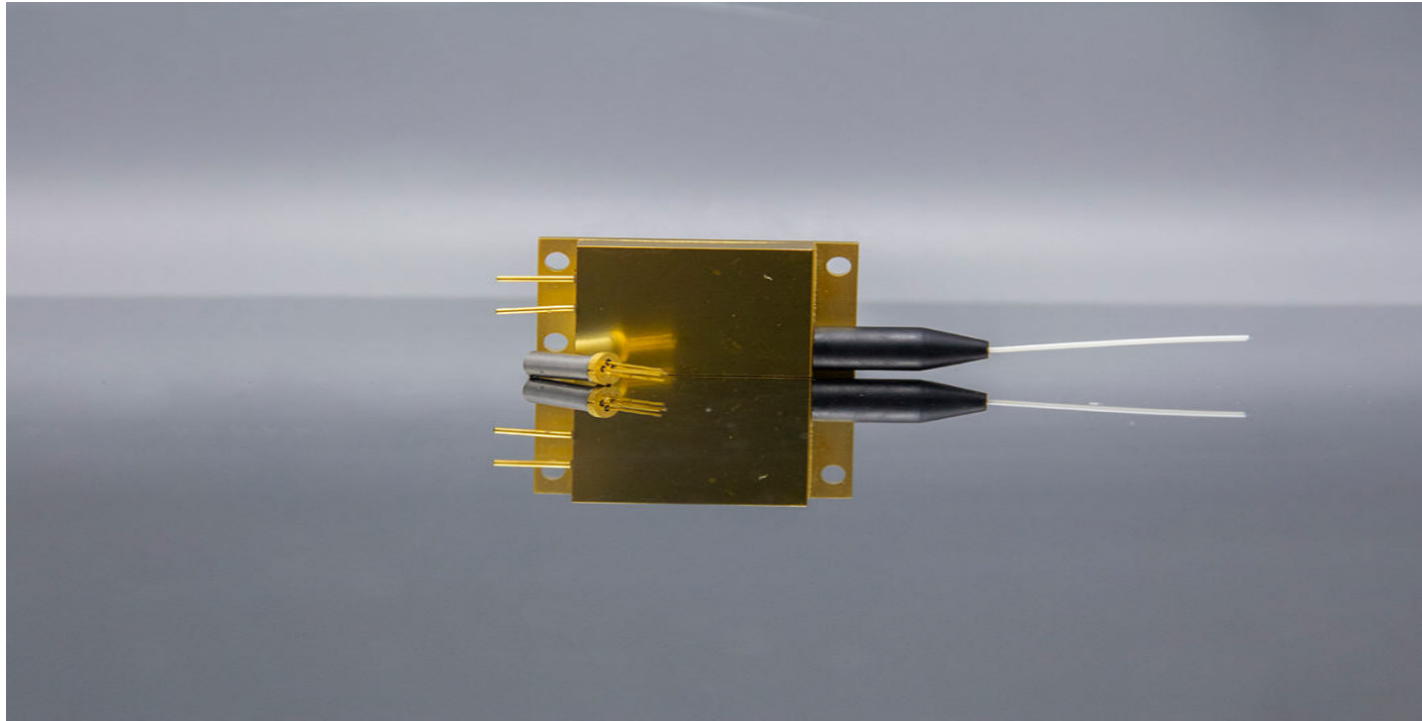
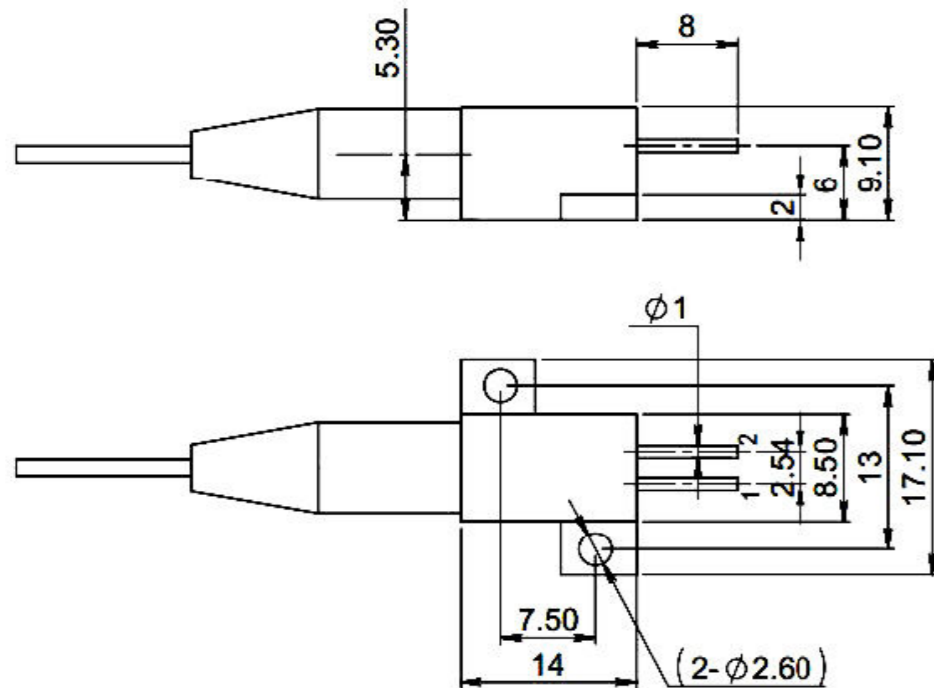


# 830nm Semiconductor Laser Module



## OUTLINE SIZE(mm)



## FEATURES

- Output power: 1W
- Wavelength: 830±10nm
- Fiber core diameter: 60 μm
- Numerical aperture: 0.14NA

## APPLICATIONS

- Pump source
- Material processing
- Medical Application

## PARAMETERS

Model	CL830-10-1W-SML027	
Optical Parameter	Continuous Output Power (W)	1
	Center Wavelength (nm)	830±10
	Spectral Width (nm)	≤6
	Characteristics of Wavelength With Temperature (nm/°C)	0.3
Electrical Parameter	Threshold Current (mA)	0.2
	Operating Current (mA)	1.4
	Operating Voltage (V)	2.1
	Differential Efficiency (W/A)	0.8
Optical Fiber Parameter	Fiber Diameter (μm)	60
	Fiber Cladding Diameter (μm)	0.22
	Fiber Coating Diameter (μm)	125
	Numerical Aperture	250
Other Parameter	Connector	FC/PC, ST, SMA905
	Operating Temperature (°C)	10-30
	Operating Relative Humidity (%)	75
	Storage Temperature (°C)	-20~70
Other Parameter	Storage Relative Humidity (%)	90
	Pin Soldering Temperature, Max (°C)	250(10 Sec.)

