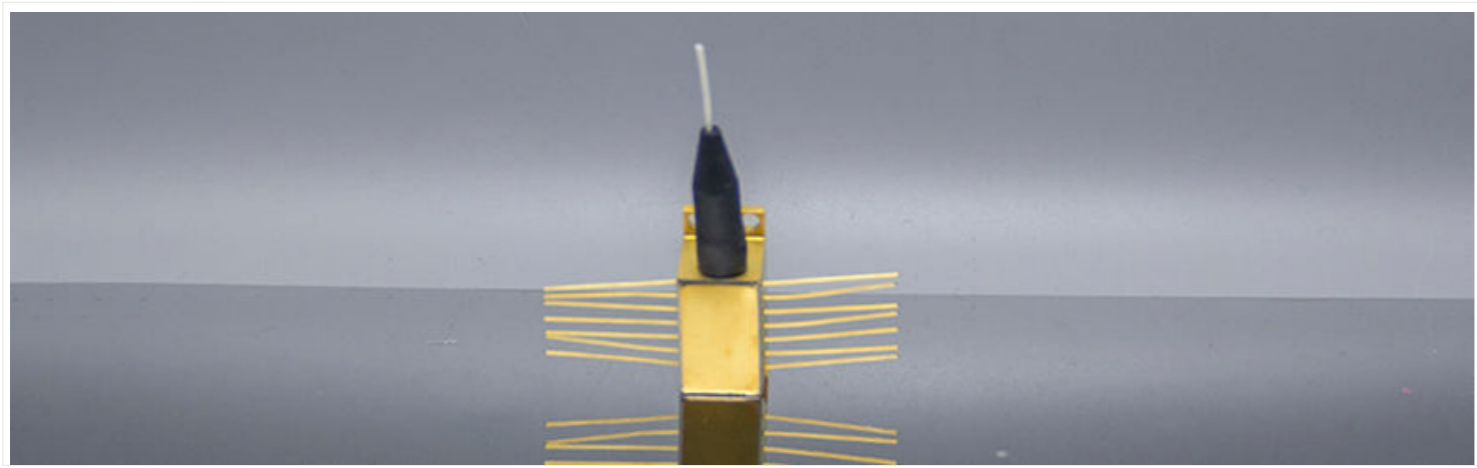


785nm Stable Wavelength Semiconductor Laser

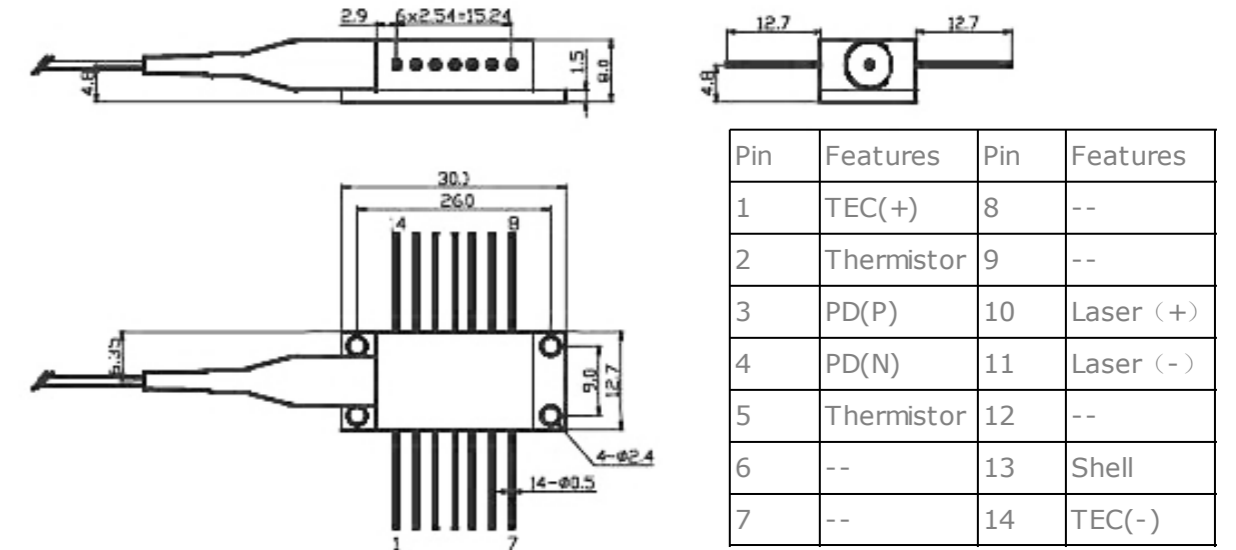


Model	CL785-0.5-600mW-SWL001	
Optical Parameter	Continuous Output Power (mW)	600
	Center Wavelength (nm)	785±0.5
	Spectral Width (nm)	≤0.3
	Characteristics of Wavelength With Temperature (nm/°C)	0.02
	Characteristics of Wavelength With Current (nm/A)	0.05
Electrical Parameter	Threshold Current (mA)	0.36
	Operating Current (mA)	1.4
	Operating Voltage (V)	2.3
	Differential Efficiency (W/A)	0.6
	PD Current (μA)	100-600
	Thermistor Parameters (kΩ/β(25°C))	10±5%/3450
	TEC Maximum Current (A)	2.2
	TEC Maximum Voltage (V)	8.7
Optical Fiber Parameter	Fiber Diameter (μm)	105
	Fiber Cladding Diameter (μm)	125
	Fiber Coating Diameter (μm)	250
	Numerical Aperture	0.22
Connector	SMA905	
Other Parameter	Operating Temperature (°C)	10-30
	Operating Relative Humidity (%)	75
	Storage Temperature (°C)	-20~70
	Storage Relative Humidity (%)	90
	Pin Soldering Temperature, Max (°C)	250(10 Sec.)

FEATURES

- Output power: 600mW
- Wavelength: 785±0.5nm Lock wavelength
- Fiber core diameter: 105 μm
- Numerical aperture: 0.22NA
- Current locking range: 0.3-1.4A
- Temperature locking range: 15-35°C

OUTLINE SIZE(mm)



CHARACTERISTICS OF 785nm 600mW SEMICONDUCTOR LASER (25°C)

