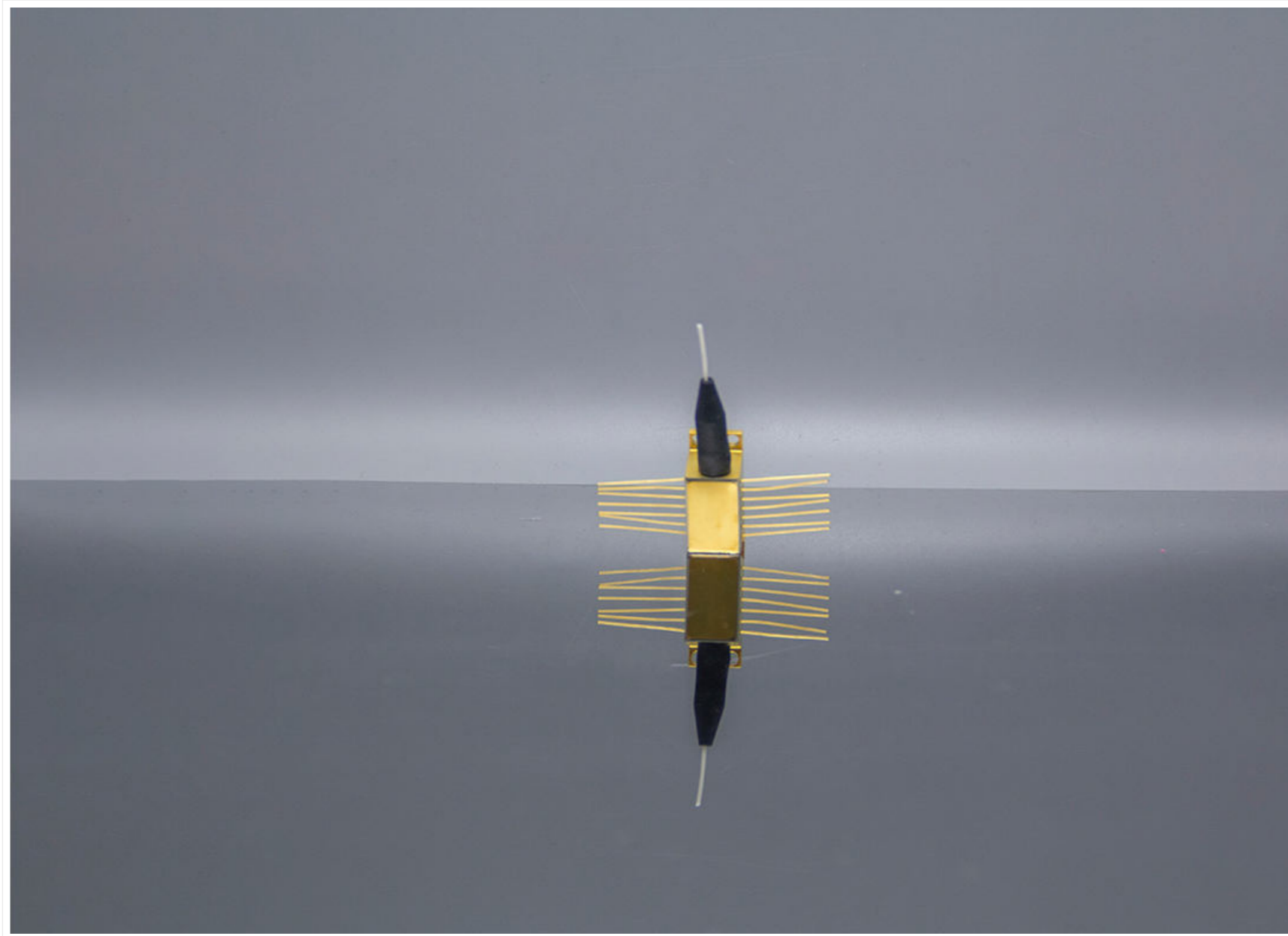


405nm Semiconductor Laser Module



PARAMETERS

Model	CL405-5-50mW-SML001		
Optical Parameter	Continuous Output Power (mW)	50	
	Center Wavelength (nm)	405	
	Spectral Width (nm)	≤3	
	Characteristics of Wavelength With Temperature (nm/°C)	0.3	
Electrical Parameter	Threshold Current (mA)	0.7	
	Operating Current (mA)	12	
	Operating Voltage (V)	1.9	
	Differential Efficiency (W/A)	0.8	
	PD Current (μA)	<2000	
	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		FC/PC, ST, 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

- Built-in TEC, power stability is better than ± 1% @ 8H
- Multiple wavelengths available
- Including host computer control, short circuit protection and other functions
- Multimode fiber optiona

APPLICATIONS

- Flow cytometry
- Confocal microscopy
- Fluorescence excitation
- Granularity measurement
- Super-resolution microscopy

OUTLINE SIZE(mm)

