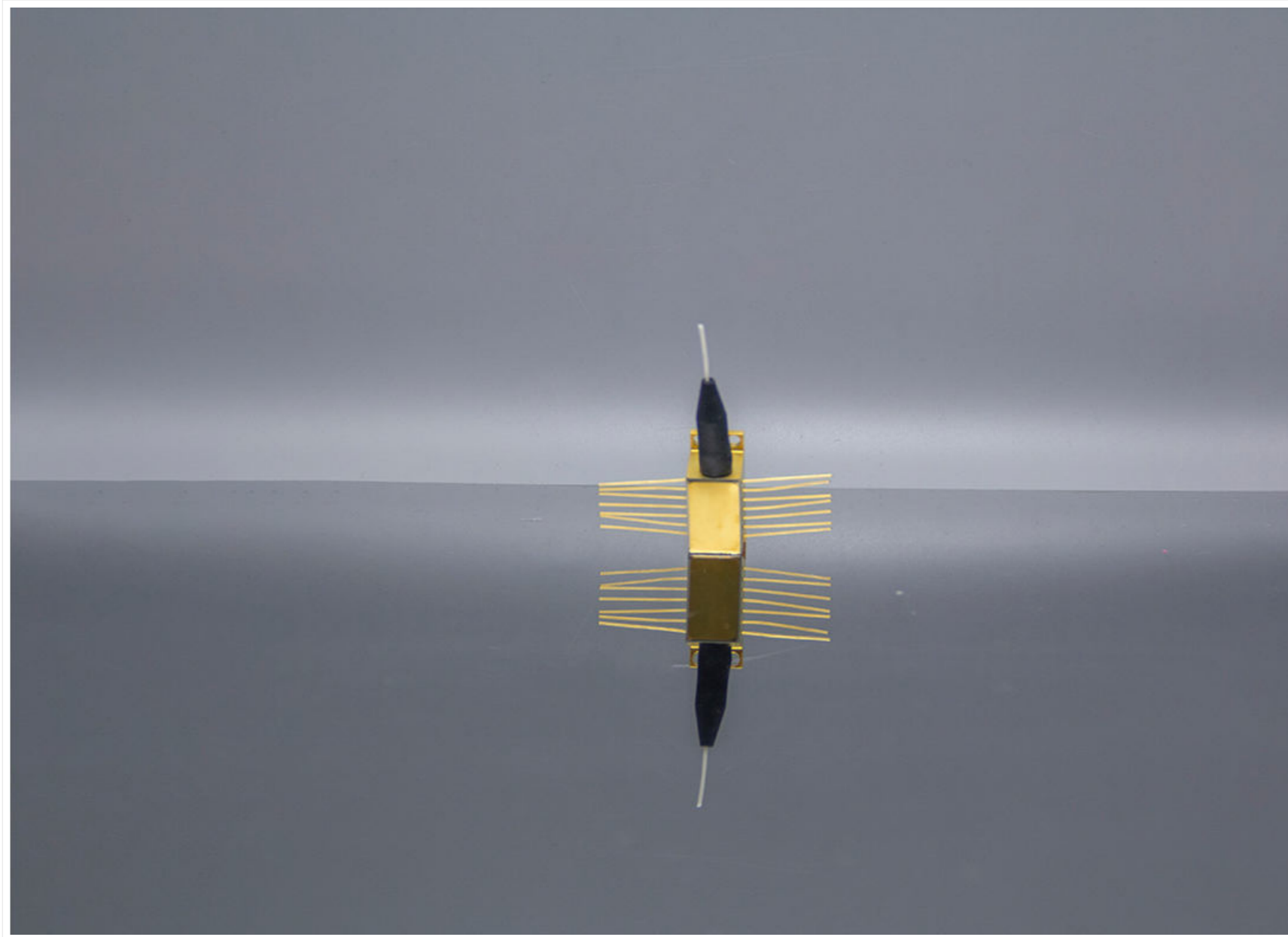


520nm Semiconductor Laser Module



PARAMETERS

Model	CL520-10-50mW-SML002	
Optical Parameter	Continuous Output Power (mW)	50
	Center Wavelength (nm)	520±10
	Spectral Width (nm)	≤1
	Characteristics of Wavelength With Temperature (nm/°C)	0.3
Electrical Parameter	Threshold Current (mA)	170
	Operating Current (mA)	300
	Operating Voltage (V)	6.2
	Differential Efficiency (W/A)	0.38
	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)

