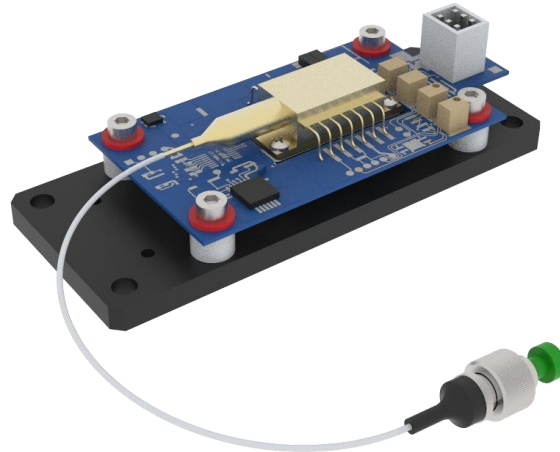


FC-OEM Laser Module



FC-OEM Laser Module

FC-OEM series laser modules are fiber-coupled lasers with integrated electronics, specifically for Raman spectroscopy systems. They are made features of high power, narrow spectral linewidth, high reliability and compact design.

FC-OEM Series Laser Module with its stable performance and high reliability works professionally in Raman spectral analysis, bio-instrumentation, sensing, analytical instrumentation and metrology, etc.

FEATURES

- Output power up to 1200mW
- Wavelengths from 785 to 1064nm
- Spectral linewidth less than 0.1nm
- Wavelength stability 0.01nm/°C
- Fiber coupled output- 105um MM fiber
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APPLICATIONS

- Raman spectral analysis
- Bio-instrumentation
- Sensing
- Analytical instrumentation
- Metrology



SYSTEM SPECIFICATION*

Wavelength(nm)	785	830	976	1064
Wavelength tolerance nm (typical)	±0.5	±0.5	±0.5	±0.5
Output power (mW)	1200	1200	1000	1200
Power stability (rms, over 4hours)	<2%,<1%			
Laser operation mode	CW			
Linewidth (nm)	<0.1			
Fiber core diameter (μm)	105			
Fiber NA	0.22			
Fiber connector	FC-PC/ FC-APC			
Fiber length (m)	1			
Expected lifetime (h)	10,000			

ELECTRICAL SPECIFICATIONS

Operating voltage	5VDC
Power supply cable	Cable with flying leads
Communication Interface	RS232 function is optional

ENVIRONMENTAL CONDITIONS

Operating temperature	10°C to 35°C
Storage temperature	-20 °C to +80 °C
Humidity	< 90 %, non-condensing

KEYNOTES

*All testing data under the conditions of temperature 25°C.



MECHANICAL SPECIFICATIONS

Dimensions of laser module 100 x 40 x 23.1mm

Material Aluminum

DIMENSIONS OF FC-OEM SERIES LASER MODULE (mm):

