

4.0um High Power FP-QCL Lightsource



Description:

4.0um high-power desktop FP-QCL quantum cascade laser is a continuous light laser developed by LD-PD INC. The output optical power is relatively high, and the collimated output power is several hundred milliwatts, which can meet the light source conditions for mid-infrared testing. In addition, the desktop FP-QCL laser module integrates a driver and temperature control module, and software can be used to control the temperature and working current of the tuning laser, which can make the laser work stably and maintain the accuracy of the measured values.

Features:

- Low power consumption, high power
- High side mode suppression ratio
- Software intelligent control
- Compact Design

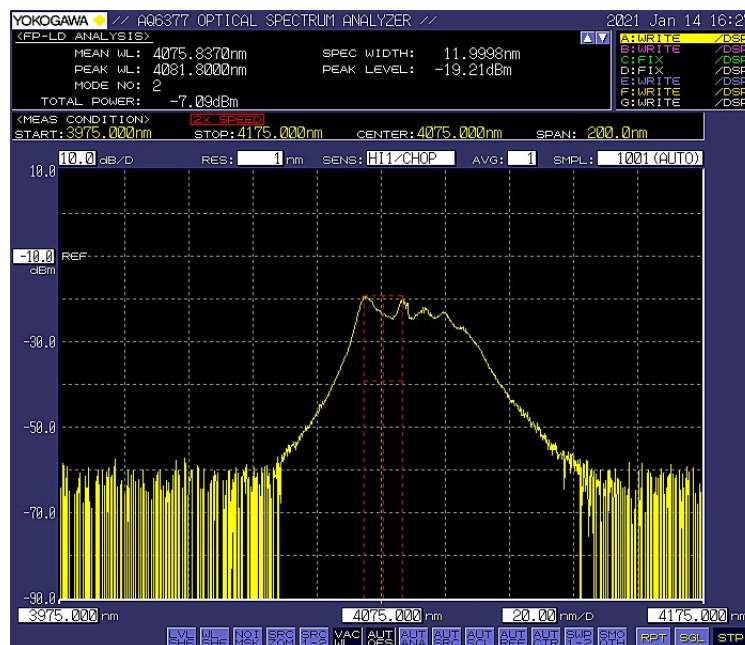
Applications:

- MIR Testing Lightsource
- Free Space communication

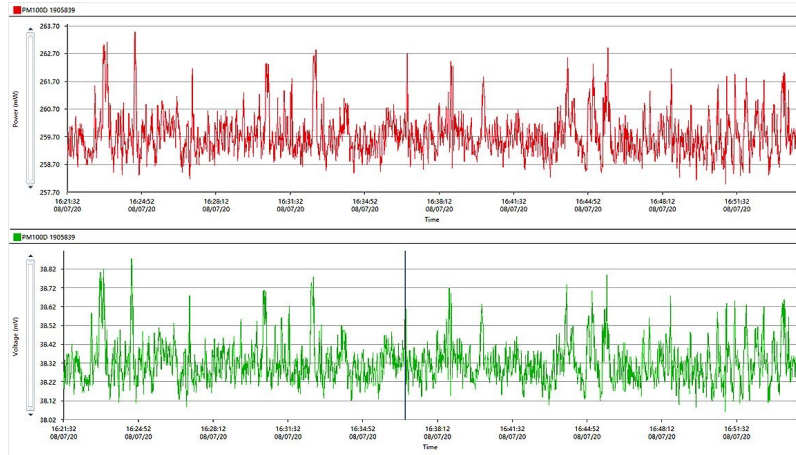
Electrical/Optical Characteristics:

Parameters	Unit	Value		
		Min	TYP	Max
		4.0umFP-QCL		
Collimated Optical Power	mW		250	280
Peak wavelength	um	4.0	4.05	4.1
Spectral Width(FWHM)	nm		10	
Output Isolation	dB		30	
Power stability (8Hours)	%		±1	±4
Output Power Tuning Range	%	0		100
TEC Operation Temperature	°C	0		50
Power supply	VAC	100	220	240
Operation Temperature	°C	0		90
Store Temperature	°C	-40		85
Dimension	mm	340(L)×160(W)×150(H)		

4.0um FP-QCL Spectrum:



QCL Lightsource Power stability:



Ordering Info:

MIR-QCL- W□□□□ -☆-△-XX

W□□□□: Wavelength

4000: 4000nm

2560: 2560nm

7400: 7400nm

☆: Collimator Optional

1: With

0: Without

△: Laser Type

FP: QCL-FP

DFB: QCL-DFB

XX: Output Power

010=10mw

100=100mw

250=250mw