

Tested by: SM
Inspected by: RS

Date: May 9th, 2024

Summary of Test Data

Parameter*	Value	Unit
Operating Current	373	mA
Center Wavelength	1307.36	nm
Output Power	107	mW
Linewidth	106	kHz
Side Mode Suppression Ratio (SMSR) at Operating Current	50	dB
Slope Efficiency	0.27	W/A
Current Tuning	0.003	nm/mA
Temperature Tuning	0.08	nm/°C
Polarization Extinction Ratio	>18	dB

* Measurement conditions: Laser chip temperature at 25°C

Output fiber: PM1300 with FC/APC connector. Laser shipped with default operating current at 373mA.

** Current and temperature are adjustable via USB connection.

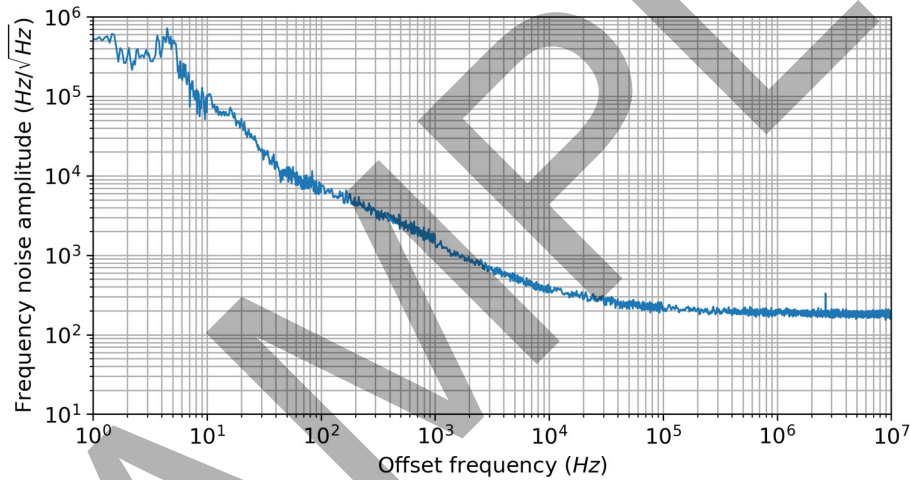


Figure 1 Laser output frequency noise at 373mA pump current. Measured with OE wave 4000 noise analyzer.

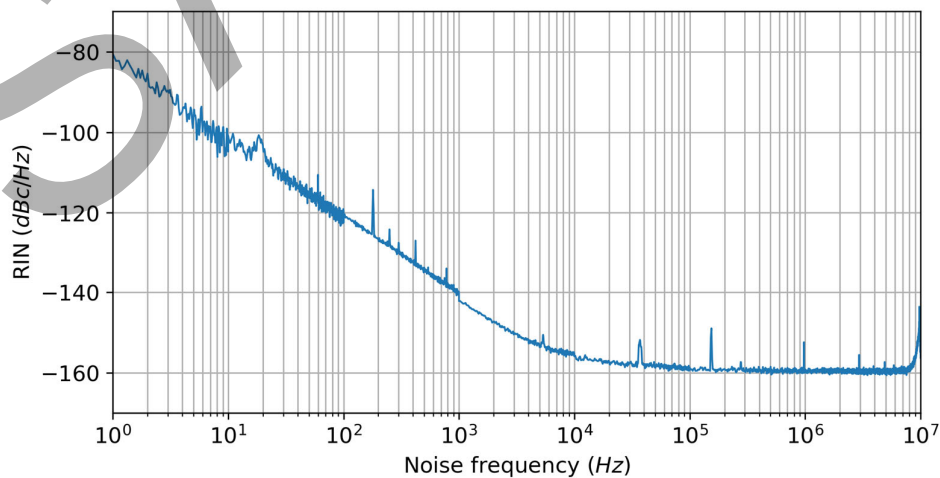


Figure 2 Laser relative intensity noise at 373mA pump current. Measured with OE wave 4000 noise analyzer.

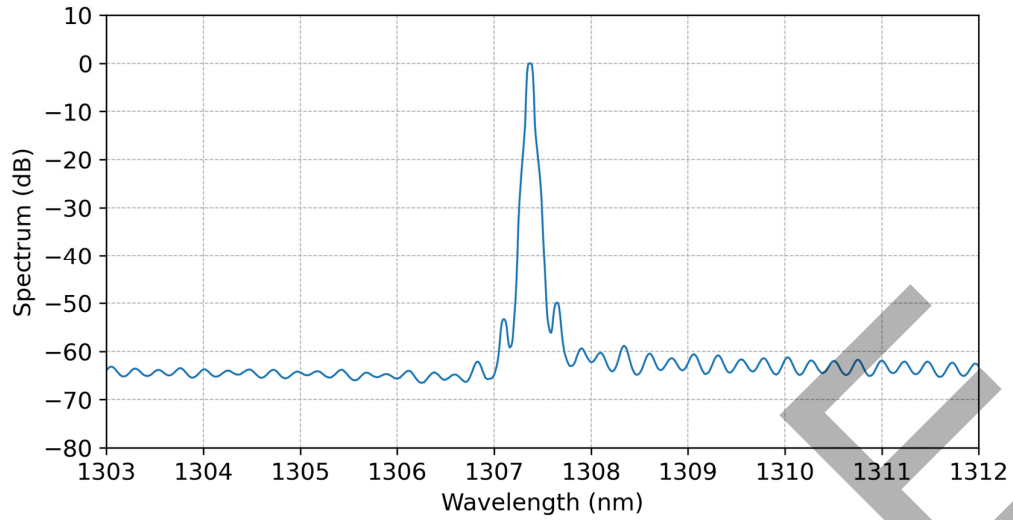


Figure 3 Laser output spectrum at 373mA pump current, measured with Yokogawa AQ6370D OSA

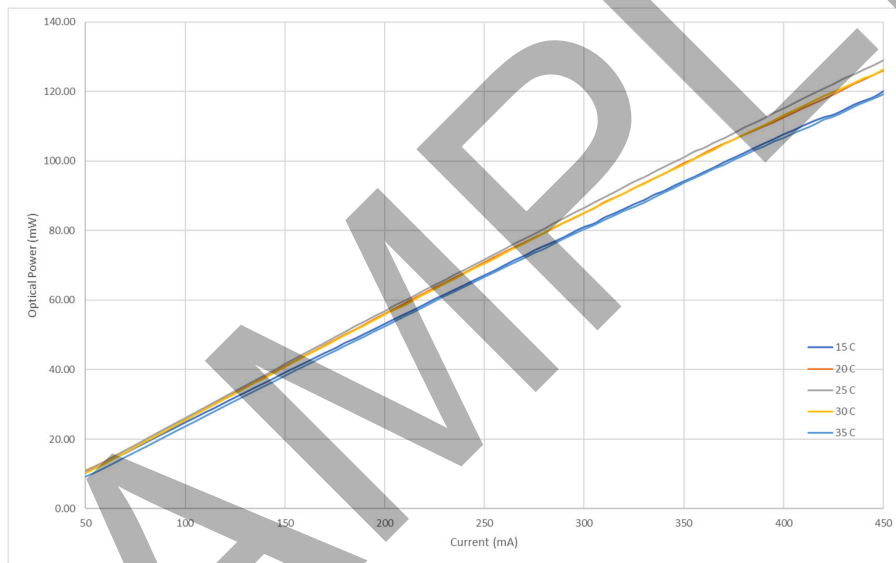


Figure 4. LI Plot for different operating temperatures

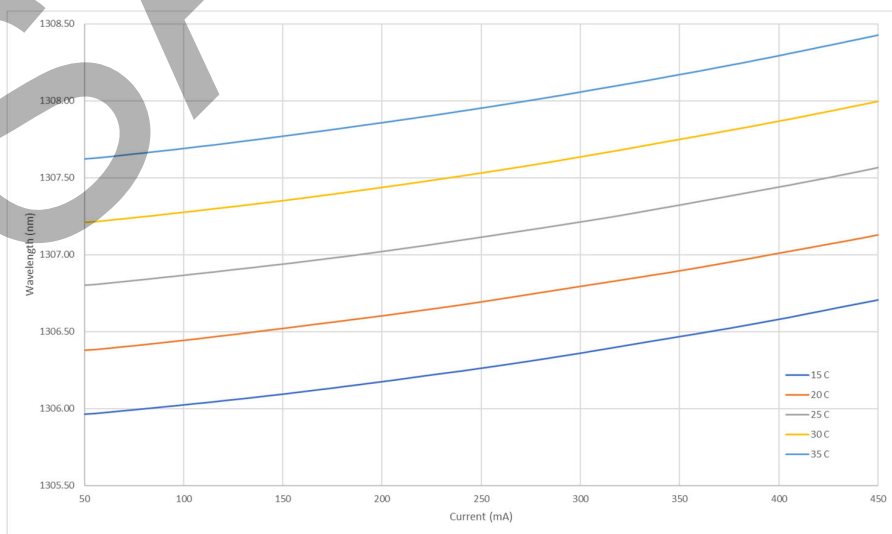


Figure 5. Center wavelength tuning