

## 658nm Wavelength Stabilized Laser

- Wavelength and Power Stability
- Spectral Linewidth

Figure 1 shows typical data for wavelength and power stability over time at full power 35mW. The current and temperature controller is model ITC502 from Thorlabs and the wavelength meter is a Coherent Wavemaster with 0.001nm resolution. The laser diode is run in constant current mode.

Figure 2 shows the linewidth measured with a Fabry-Perot spectrum analyzer with 1.5 GHz free spectral range and 7.5MHz resolution.

Figure 1

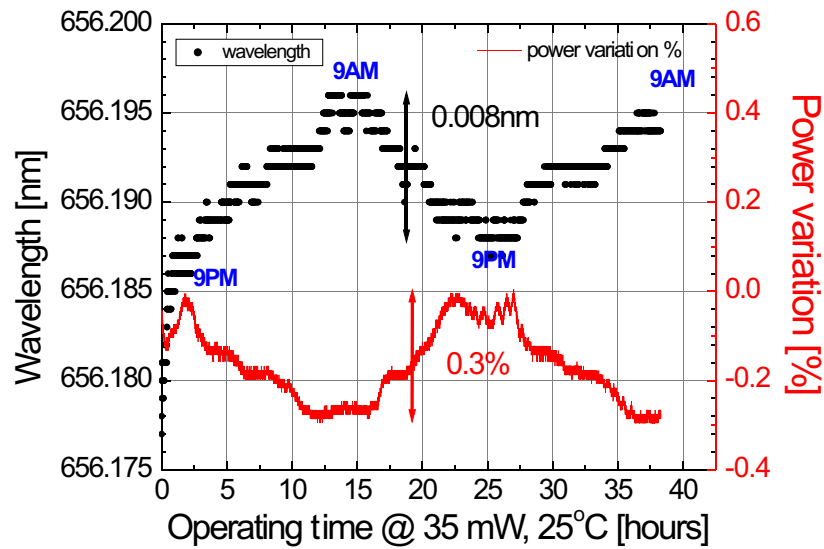


Figure 2

