

SPECIFICATIONS

| Operating Specifications | Units | Value |
|--|-------|----------|
| Output Power Free Space* | mW | 20 to 50 |
| Output Power Fiber Coupled | mW | 1 to 25 |
| Spectral Linewidth (Typical) | KHz | <100 |
| Wavelength Stability (Over 8 Hours) | pm | ±2 |
| ASE Suppression (Typical) | dB | 40 |
| Optical Power Stability (Over 8 Hours)** | % rms | ±1 |
| Noise (10Hz - 100MHz) | % rms | 0.2 |

*Factory set to user specified power output (See Ordering Information Table for options)

**Ambient Temperature ±3° C

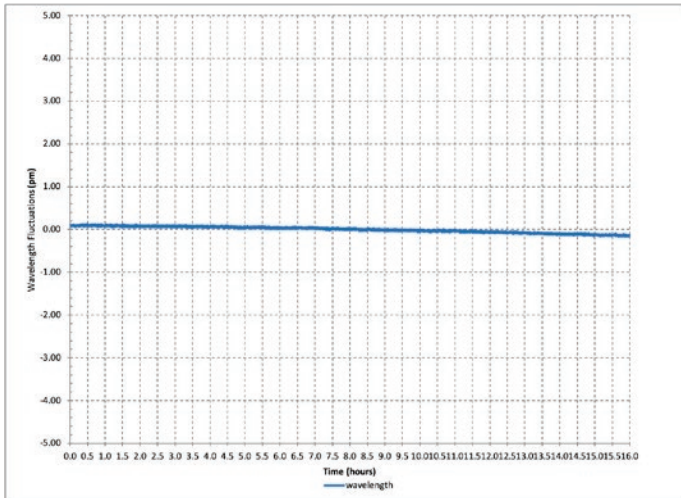
| Free Space Optical Specifications | Units | Value |
|--|--------|----------|
| Beam Quality (m ² Typical) - Vertical | – | 1.2 |
| Beam Quality (m ² Typical) - Horizontal | – | 1.1 |
| Beam Diameter - Vertical | mm | 1.6 |
| Beam Diameter - Horizontal | mm | 0.8 |
| Beam Aspect Ratio | – | 1.5 to 2 |
| Beam Divergence - Vertical | mrad | 0.8 |
| Beam Divergence - Horizontal | mrad | 1.3 |
| Beam Pointing Stability (Over 8 Hours) | µrad | <50 |
| Polarization Ratio | linear | 100:1 |

| Electrical Specifications | Units | Value |
|---|-------|-----------|
| DC Input (Max) | – | 2A @ 3.3V |
| Warm-up Time (Typical) | min | 2 |
| Power Consumption (Typical/Max) | W | 5 |
| Interface - USB & 10-Pin I/O Connectors | | |

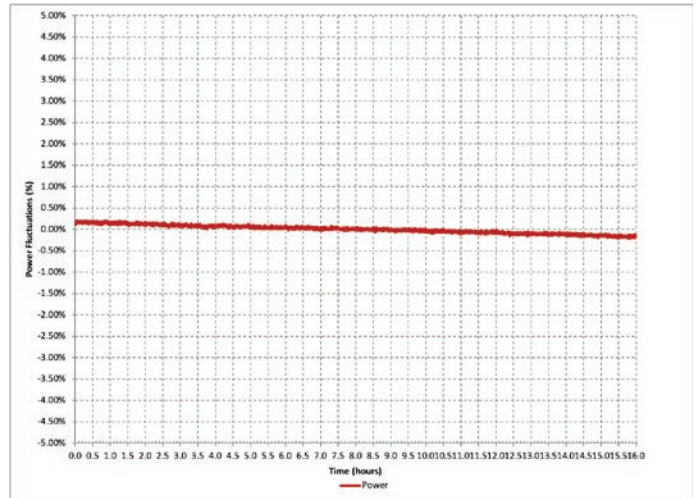
| Environmental Specifications | Units | Value |
|------------------------------|-------|----------|
| Case Temperature* | °C | 15 to 40 |
| Humidity (Non-condensing) | % | 5 to 95 |

*Must be operated on a heat sink.

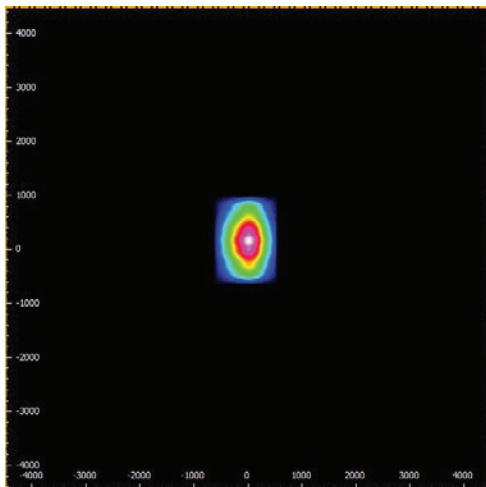
Wavelength Stability



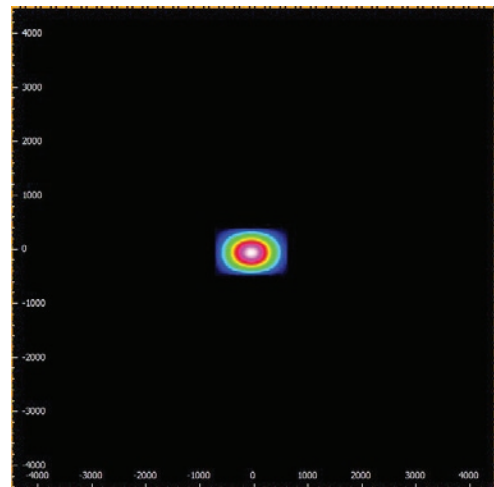
Power Stability



Free Space Beam
Near Field



Free Space Beam
Far Field



SPECIFICATIONS & ORDERING INFORMATION

Weight = 135 grams Dimensions = 86 cm³ (5.25 in³)

