

455nm-Centered Grating-based External Cavity Tunable Laser

(Part Number: ECTL-GT-CW-455)

Applications:

- 1. Atomic Sensing and Molecular Sensing;**
- 2. Optical cooling and trapping;**
- 3. Difference Frequency Generation (DFG);**
- 4. Second Harmonic Generation (SHG);**
- 5. Spectroscopy and optical process control;**
- 6. Raman spectroscopy;**
- 7. Laser and OPO seeding.**

Features:

- 1. Wide mode-hop free tuning range;**
- 2. Stable and narrow-linewidth;**
- 3. Free-space output;**
- 4. Manual or computer-based tuning.**

Specification:

| PARAMETER | |
|------------------------------|----------------------------------|
| Available Wavelength | 455-457 nm |
| Typical Linewidth | < 100 kHz |
| Output Power Max | > 20 mW |
| Typical Beam Size | 1 - 3 mm Collimated |
| Polarization characteristics | Vertical / Horizontal Typ. 100:1 |
| Mode-Hop Free Tuning | > 30 GHz |
| Working Temperature Range | 15-30 °C |
| Storage Temperature Range | 0-50 °C |



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Pictures: