

## 639nm, 200mW, Single Frequency Turnkey Laser



Single Frequency Turnkey Lasers (Power Supply Included)

Stock #23-746 **1 In Stock**

⊖ 1 ⊕ £10,112.<sup>00</sup>

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### Product Downloads



### General

Warm-Up Time (minutes):  
<5

Type of Laser:  
Solid State

Laser Class - CDRH:  
Class IIIb

### Physical & Mechanical Properties

Pointing Stability after Warm Up (mrad/°C):

<0.05

## Optical Properties

100:1 (minimum) **Polarization:**

TEM<sub>00</sub> **Spatial Mode:**

639.00 ±1 **Wavelength (nm):**

<1.2 **Mode Quality, M<sup>2</sup>:**

<1 **Beam Diameter (mm):**

<1.5 **Beam Divergence (mrad):**

Red **Color:**

0.01 **Spectral Line Width (pm):**

## Electrical

200 **Output Power (mW):**

<2 **Power Stability (%):**

<0.5% **Peak-to-Peak Noise:**

## Hardware & Interface Connectivity

Free Space **Output Type:**

## Environmental & Durability Factors

+10 to +40 **Operating Temperature (°C):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

[Compliant](#) **Reach 233:**

## Product Details

- Single Frequency and Single Transverse Mode Operation
- Narrow Spectral Linewidth <0.00001nm
- 532, 639, and 1064nm Wavelengths
- [Low Cost Turnkey Lasers](#) from 405 - 1064nm Also Available

Single Frequency Turnkey Lasers are continuous wave diode-pumped solid state (DPSS) lasers designed for single frequency and single transverse mode operation. These lasers operate at a fixed wavelength of 532, 639, or 1064nm and have both a narrow spectral linewidth of <0.00001nm and long coherence length of >50m. These features, combined with a high output power of 200mW, make these lasers ideal for applications such as confocal microscopy where high brightness and precise wavelengths are required, or interferometry where long coherence lengths are required for better detail resolution. Single Frequency Turnkey Lasers have a compact design, allowing for easy integration into flow cytometry, Raman spectroscopy, holography, fluorescence microscopy, and R&D lab setups.

**Note:** Power supply included.