

639nm, 200mW, Single Frequency Turnkey Laser



Single Frequency Turnkey Lasers (Power Supply Included)

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

-

1

+

€12.420⁰⁰

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Qty 1+	€12.420,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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SPECIFICATIONS

General

<5

Warm-Up Time (minutes):

Solid State

Type of Laser:

Class IIb		Laser Class - CDRH:
Physical & Mechanical Properties		
Pointing Stability after Warm Up (mrad/°C):		
<0.05		
Optical Properties		
100:1 (minimum)		Polarization:
TEM ₀₀		Spatial Mode:
Wavelength (nm):		
639.00 ±1		
Mode Quality, M ² :		
<1.2		
Beam Diameter (mm):		
<1		
Beam Divergence (mrad):		
<1.5		
Color:		
Red		
Spectral Line Width (pm):		
0.01		
Electrical		
Output Power (mW):		
200		
Power Stability (%):		
<2		
Peak-to-Peak Noise:		
<0.5%		
Hardware & Interface Connectivity		
Free Space		Output Type:
Environmental & Durability Factors		
Operating Temperature (°C):		
+10 to +40		
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.