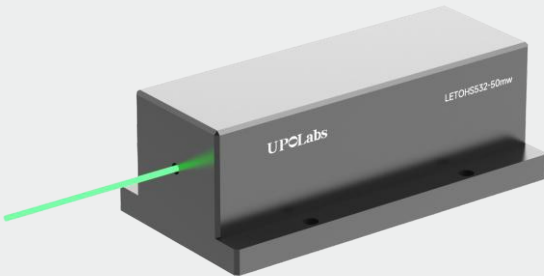


LETOHS532 Green Laser

The LETO-HS532 green laser is a single-longitudinal-mode laser source that emits 532 nm single-longitudinal-mode green light. It offers a stable output power of 50 mW/100 mW, excellent beam quality, and ultra-low noise, making it widely suitable for various applications such as Raman spectroscopy and DNA sequencing.



Characteristics

- Single Longitudinal Mode
- Highly Stable Output Power: <1%
- Extremely Narrow Spectral Linewidth: < 3MHz
- Ultra-Low Noise: < 0.1%@RMS
- Beam Quality: $M^2 < 1.05$
- Coherence Length: > 100 m
- Long Service Life: >20,000 hours

Parameter

Type	LETOHS532-50mw	LETOHS532-100mw
Wavelength	532nm	
Operating Mode	CW	
Output Power (mW)	50mW	100mW
Spatial Mode	TEM ₀₀	
Power Stability (rms, over 24 hours)	< ±1%	
Coherence Length	> 100m	
Beam Quality (M ²)	< 1.05	
Spectral Bandwidth	< 3MHz	
Laser Beam Diameter	< 1.0 mm (Typ. 0.8 mm)	
Beam Divergence Angle (Full Angle)	< 1.0 mrad	
Laser Spot's Roundness	> 95%	
Beam Pointing Stability (3 hours, 25+2°C)	< 10 μrad	
Mean Square Value of Noise (0 Hz to 20 Mhz)	< 0.1% rms	
Linear Polarization Ratio (45°)	> 100:1	
Warm-up Time	< 10 minutes	
Expected Lifetime (hours)	>20,000 Hours	
Supply Voltage (V)	95-250VAC, 5VDC	
Power Consumption (W)	< 40W	
Dimensions (W) x (D) x (H) (mm)	100 x 50.8 x 35.5 mm	
Operating Temperature (°C)	10°C ~ 35°C	
Storage Temperature (°C)	-20°C ~ +70°C	

Application Fields

- Raman Spectroscopy
- DNA sequencing scan
- biochemical instrument
- particle counting
- Printing/Plate Mark
- Precision Measurement
- Flow Cytometry
- holography
- Focused Microscopy Technology
- Micro - material Processing
- Video Scan Display
- Wafer Inspection
- Physics Experiment
- Photoluminescence

Structural Dimensions

