

532 nm Passively DPSS Mode Locked Laser

Model #: PS-R-532



Description: Picosecond pulsed laser at 532nm

Features

- Pulse duration less than 20ps
- Air cooling system
- Lightweight, compact design
- Superior beam quality
- Flexible interface concept: analog
- High reliability and lifetime

Applications

- Material Processing
- Measure
- Scientific experiment
- Optical instrument

Specifications

Wavelength (nm)	532±1
Operating Mode	Mode-locked
Output Power (mW)	>1, 10, ... , 300, 500, 550, 600, 3000
Repetition Rate (MHz)	48 ± 1
Power Stability (rms, over 4 hours)	<3%, < 5%
Pulse Duration (ps)	10 ~ 20
Transverse Mode	TEM ₀₀
Warm-up Time (minutes)	<10
Beam Divergence, Full Angle (mrad)	<3
Beam Diameter at the Aperture (mm)	~1.5
Beam Height from Base Plate (mm)	57
Cooling Method	Air cooling
Operating Temperature (C°)	10~30
Power Supply (90-264VAC)	PSU-Z-LED
Expected Lifetime (hours)	10,000
Warranty Period	1 year

Ordering Information: PS-R-532-A-B

A: maximum output power	B: power stability
100 – 100 mW	5 - 5%
200 - 200 mW	3 – 3%
300 – 300 mW	
500 – 500 mW	
1000 – 1000 mW	

PS-R-532 (Head)	Dimension (mm)
<p data-bbox="344 867 633 898">581 × 313 × 92mm, 19 kg</p>	<p data-bbox="971 856 1269 888">292 × 300 × 123mm, 6.2 kg</p>

