

1950-2050 nm Thulium-doped picosecond laser

ULTRAFAST PULSED LASERS



1950-2050 nm Thulium-doped picosecond laser This system adopts Nonlinear Amplifying Loop Mirror (NALM) technology to achieve long-term, high-stability pulse output. Core Capabilities Environmental Robustness: Capable of reliable operation in both high and low-temperature environments. High-Power Output: Utilizes an advanced laser amplification scheme to realize long-term, high-power pulsed laser output.

- Broad Spectrum High Power
- Linear Polarization Wavelength
- Tunable High Power Stability
- Atomic and Molecular Optical
- Physics Precision Measurement Ultrafast
- Imaging Nonlinear Optics
- Frontier Sciences Biomedicine High
- Manufacturing

Specifications

Parameter	Specification
Model Number	PL-PS-XXXX-YY
Customizable Wavelength Range	1950-2050 nm
Pulse Width	<100 ps
Pulse Energy	10-40 nJ
Average Power	>0.5W
Maximum Peak Power	>150W
Spectral Width	>5nm
Repetition Rate	50-150 MHz
Polarization	Linear polarization, >100:1
Power Stability	<0.5% @12hours, RMS
Beam Quality	$M^2 < 1.1$
Output Mode	Collimator Output
Cooling	Air cooling
Temperature(No condensation conditions)	15-35 °C
Power Supply	100V-240V, AC, 50/60Hz
Communication	RS422
Chassis Dimensions	480*360.1*88.1 mm

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.