



Nd:YAG passively q-switched DPSS lasers "Waveguard"

Main features

- Robust and compact design
- Internal and external TTL triggering
- Laser controller with USB or RS232 interface
- OEM version available

Application examples

- Material processing & micromachining
- LIBS
- Marking
- LIDAR & Laser Ranging
- Biophotonics

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Description

Standard specifications

Nd:YAG Diode Pumped Passively q-Switched Lasers Waveguard

Wavelength	1064 nm or 532 nm
Wavelength tolerance	± 1 nm
Pulse Energy	up to 400 µJ
Energy stability (4 hr.)	<2 % @ 100 Hz - 20 kHz
Pulse duration	< 800 ps to 10 ns
Pulse repetition rate	100 Hz - 20 kHz
Polarization contrast	> 1:100
Beam diameter at exit window	<1 mm
Beam divergence	< 3 mRad
Beam profile	TEM ₀₀