



Nd:YAG Diode Pumped Passively q-Switched Lasers

WAVEGUARD



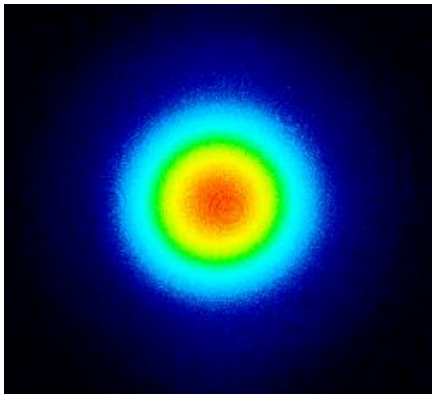
FEATURES:	APPLICATIONS:
<p>Single longitudinal mode Robust and compact design Internal and external TTL triggering Laser controller with USB or RS232 interface OEM version available</p>	<p>Material Processing & Micromachining LIBS Marking LIDAR & Laser Ranging Biophotonics</p>



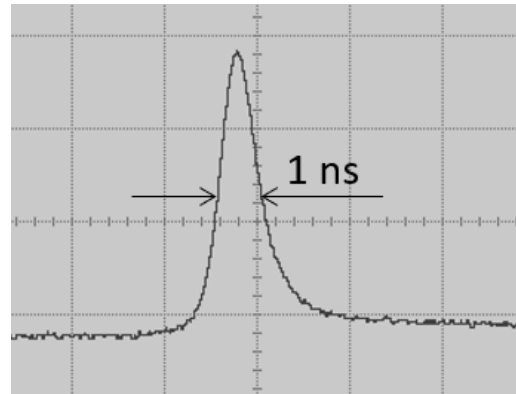


SPECIFICATIONS

Wavelength	1064 nm
Wavelength tolerance	± 1 nm
Pulse Energy, mJ	$> 400 \mu\text{J}$
Energy stability (4 hr.), @ 100 Hz	$< 2\%$
Pulse duration	$< 1,2$ ns
Pulse repetition rate	100 Hz
Polarization contrast	$> 1:100$
Beam diameter at exit window	< 1 mm
Beam divergence	< 3 mRad
Beam profile	TEM ₀₀
Working temperature	10 – 40 °C
Laser head dimensions	170 x 103 x 64 mm
Laser driver dimensions	110 x 50 x 70 mm



Beam profile



Pulse duration, 1 ns

