

Sub-Naples-10

Turn-key All Solid-State Compact Sub-Nanosecond Lasers

The Sub-Naples-10 DPSS laser is a high-peak-power, rugged, turnkey, sub-nanosecond unit with output at 1064 nm. The relatively short pulse width and high peak power make the Sub-Naples family particularly suitable for use in LIDAR, km-scale laser ranging, micromachining, mass spectrometry and other applications.

Specifications	Sub-Naples 1064 (532/355/266)
Repetition Rate	1-10 Hz
Wavelength	1064 nm
Energy Output (at 10 Hz)	10 mJ
Pulse-to-pulse stability (at 100 Hz)	<1%
Pulse width (at 1064 nm)	~ 0.7 ns
Q-switch	Passive
Divergence	Diffraction Limited
Beam profile	Gaussian
Beam Diameter at the laser exit	~ 2 mm
Output Beam pointing stability	< 0.5 Diffraction Limit
External control	Connector/pin for TTL trigger input or +4 +/- 1V, into 1 k Ω
Electrical power	~ 100-240 VAC, 47-63 Hz, single phase
Power consumption	< 45 W
Warm Up time	< 5 minutes
Operating temperature and humidity	20-27 C; 10-80 %
Compliance	CDRH, CE

Content and Delivery

The delivered laser consists of the following:

- Integrated Laser Head with Power Unit
 - Power Cable
 - CD with Manual and Control Application
 - Test Record.
-