

FIBER LASERS

Nuphoton fiber lasers are designed for demanding applications such as LIDAR/LADAR, altimetry, terrain mapping, free space optical communication and surveillance/reconnaissance.



FEATURES

- CW and pulsed lasers • mW to kW power levels • ns and ps pulse width
- TTL & External modulation • Multiple package options • High reliability

SPECIFICATIONS

Parameter	TTL Triggered Fiber Laser		Externally Modulated Laser		Mode Locked Fiber Laser	
	1550 nm	1060 nm	1550 nm	1050 nm	1550 nm	1050 nm
Wavelength (nm)	1550 ± 20	1060 ± 20	1550 ± 20	1050 ± 20	1550 ± 20	1050 ± 20
Mode of operation	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed	Pulsed
Avg. power (W)	0.1 to 20	0.1 to 30	0.1 to 20	0.1 to 30	Up to 6	Up to 10
Peak power (kW)	2 to 150	2 to 200	2 to 200	2 to 50	>10	>10
Pulse Width	2 ns nominal	2 ns nominal	0.4-20 ns (0.1-3 ns variable option available)	0.1-20 ns (0.1-3 ns variable option available)	5-35 ps (fixed)	5-35 ps (fixed)
Pulse repetition rate	1 kHz-2 MHz	1 kHz-2 MHz	30 MHz-2.5 GHz	25 MHz-2.5 GHz	25 -55 MHz	25 -55 MHz
Beam quality (M)	Custom	Custom	Custom	Custom	Single-mode	Single-mode
Linear polarization option	Custom	Custom	Available	Available	Available	Available

