MANNY-IR SERIES

Highly Flexible Infrared Picosecond Fiber Laser

Key Features:

- Tunable and Adjustable Pulse Repetition Frequency up to 2 GHz
- Many Wavelengths Available in IR
- Tunable Pulse Duration from 50 ps to few ns
- Multistage Fiber Amplifier up to 30W
- Compact, Turn-key Master/Slave System

MANNY product range integrates an innovative electronical pulse generation system which brings unprecedented features: **the pulse gating.**
Thank to this technology, pulse duration and repetition rate are flexible and tunable.
MANNY systems fits perfectly any industrial and scientific application that requires master/slave synchronization.

Typical Applications:

- → Seed for High Power Lasers
- → Laser Research
- → Nonlinear Optics
- → Spectroscopy
- → Bio-photonics

IRISIOME SOLUTIONS

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Specifications

Central Wavelength	**(1)**	1030 nm, 1064 nm or 1550 nm, 1560 nm
Max. Avg. Output Power	**(2)**	30 W
Max Pulse Energy	**(3)**	> 1 µJ
Power Stability	**(4)**	< 5 % RMS
Spectral Bandwidth		< 0,2 nm, FWHM
Pulse Duration		Tunable and adjustable from 50 ps +/- 10 ps to few ns
Timing Jitter	**(5)**	< 3 ps RMS
Repetition Rate		Up to 2 GHz, Burst capable
Polarization		Linear, > 20 dB
Ext. Synchronization		Master/Slave
Beam Quality		Fibered output (for avg. power up to 1 W) or Free-space output - M^2 < 1,3
Cooling System		Air cooled
Laser Manager Software		Included (Windows® 7/8/10/11 required)
PC Interface		RS 232/USB or Ethernet
Dimensions		19" Rack, 5U

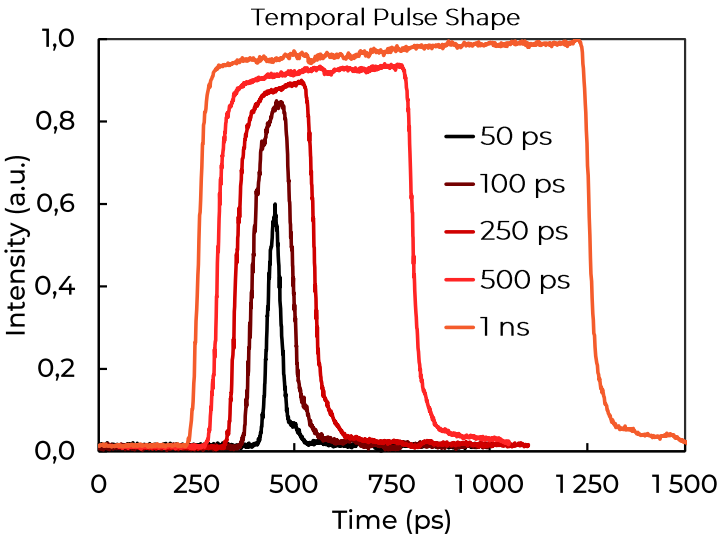
(1) Other wavelengths available upon request

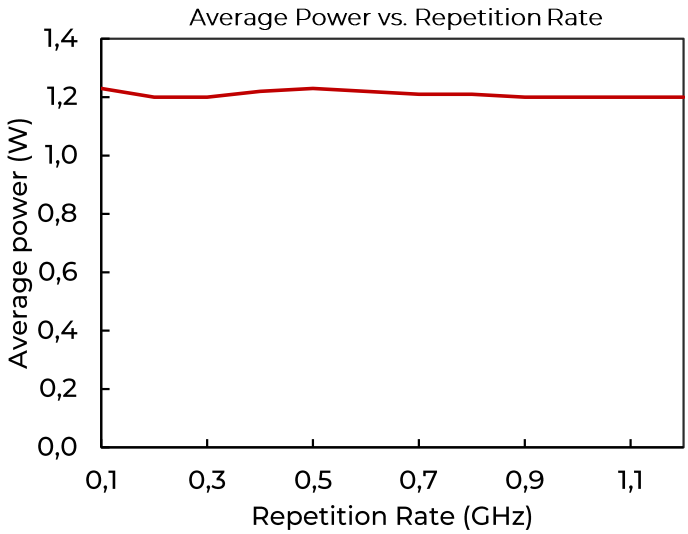
(2) Depends on pulse repetition rate

(3) Depends on pulse repetition frequency

(4) Depends on test duration and stability of ambient temperature

(5) Depends on clock or sync signal





All information in this document is subject to change without prior notice. – Updated 01/2023

Don't hesitate to contact us for more information:

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