FemtoYL-6C

FemtoYL-6C has a <300fs variable pulse duration in the wavelength of 1035nm and a average power up to 3W. It is a cost-effective fiber laser system that provides stable and clean short femtosecond pulses with an excellent beam quality and power stability. FemtoYL-6C is a great solution for applications of two-photon fluorescence microscopy and two-photon polymerization and etc.

Features:

- Central wavelength 1035nm
- Average power >3W
- Pulse duration <300fs
- Pulse energy ~1μJ
- Beam quality M^2<1.3

Applications:

- Two-Photon fluorescence microscopy
- Two-Photon polymerization
- Material micro-machining

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Specifications:

Model	FemtoYL-6C
Central Wavelength	1035nm
Average Power	>3W
Pulse Duration	<300fs
Repetition Rate	500kHz-80MHz
Power Stability	<1%
Pulse Energy	~1μJ
Peak Power	3MW
Beam Quality	M^2<1.3
Beam Diameter	~3mm(1m from output aperture)
Beam Divergence(Full Angle)	<2mrad(Defined by ISO-11146-1)
State of Polarization	Linear polarized(S)
Sync Output	SMA TTL pulse
Control	RS232
Power Requirements	AC 100V-240V50/60Hz Rated output>960W
Dimensions (L*W*H)	400mm*260mm*88.5mm

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