

# CFLP-30-1.0

30W MOPA Nanosecond Pulsed Fiber laser



## Features & Benefits

- Unique phosphosilicate gain fiber technology – **photodarkening-free performances** guarantee long-term stability
- Adjustable delivery cable available up to 5 m – better flexibility and integration into your production line
- Higher power – faster processing
- Range of pulses for various applications – offers **flexibility** and complete control
- Pulse waveform selection – pulse widths from 4 to 250 ns
- Wide range of repetition rates – allows **maximum peak power and pulse energy** for each waveform setting
- Excellent isolator design – safe processing of any material
- Maximum pulse energy: 1 mJ
- Maximum peak power: 15 kW
- Compact and robust – enhancing the ease of OEM integration
- Easy-to-use, Plug & Play design
- Maintenance-free
- 3-year standard warranty

## Applications

- Laser marking and engraving
- Fine cutting
- Laser layer removal

## Specifications

### Optical

Mode of Operation	Pulsed
Polarization	Random
Operating Wavelength (nm)	1064
Nominal Output Power (W)	30.5 ± 1.0
Power Stability (%)	< 3
Output Power Tuning Range (%)	5 - 100
Maximum Peak Power (kW)	15
Maximum Peak Energy (mJ)	1.0
Pulse Width Range (ns)	4 - 250
Repetition Rate Range (kHz)	1.6 - 1000
Beam Quality (M2)	1.6 ± 0.4
Beam Diameter (mm)	6 - 9

### Electrical

Operating Voltage (VDC)	24
Operating Current (A)	< 6.5

### Mechanical & Environmental

Dimensions (W x D x H mm)	292 x 233 x 72
Output Fiber Length (m)	3.0
Operating Temperature (C°)	15 - 45
Operating Humidity (% rel.)	10 - 95
Cooling Method	Air Cooled

Manufactured under ISO 9001:2015 certified quality system.  
All specifications are subject to change without notice. Reference: 100-70-0003.R1