

# CFLP-200-1.0

200W Q-Switch Nanosecond Pulsed Fiber Laser



## Features & Benefits

- Higher power – faster processing
- Pulse waveform selection – pulse widths from 50 to 500 ns
- Wide range of repetition rates – allows maximum peak power and pulse energy for each waveform setting
- Air-cooled – easier OEM system integration
- Excellent isolator design – safe processing of any material
- Maximum pulse energy: 1 mJ
- Maximum peak power: 10 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
- Texturing
- Laser layer removal

## Specifications

### Optical

Mode of Operation	Pulsed
Polarization	Random
Operating Wavelength (nm)	1064
Nominal Output Power (W)	200
Power Stability (%)	< 3
Output Power Tuning Range (%)	5 - 100
Maximum Peak Power (kW)	10
Maximum Peak Energy (mJ)	1.0
Pulse Duration (ns)	50, 100, 200
Repetition Rate Range (kHz)	1.6 - 1000
Beam Quality (M2)	1.6 ± 0.4
Beam Diameter (mm)	7.5 ± 1.5

### Electrical

Operating Voltage (VDC)	34.5 ± 1.5
Operating Current (A)	< 25

### Mechanical & Environmental

Dimensions (W x D x H mm)	480 x 318 x 105.3
Output Fiber Length (m)	2.0 - 2.5
Operating Temperature (C°)	0 - 40
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: 100-70-0016.R1