

F-120-GT-10-N2-Pro+

MOPA FIBER LASER FOR GLASS
Data sheet V 1.0

Features

- » MOPA Technology
- » Special for glass
- » Short pulse setup
- » optimized optical quality
- » Pulse width modifiable



TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm	Spectral width @3dB	<10nm
Output power	200 W	Beam diameter	3 mm ⁽¹⁾
Peak power	>100 KW	Delivery cable	None
Max. pulse energy	1 mJ	Supply voltage DC	48 V
Range of power	0-100 %	Current consumption	<10 A
Repetition frequency	1-3000 kHz	Power consumption	<480 W
Full power frequency	130-3000 kHz	Operating temperature	0 - 40 °C
Pulse width	2-20 ns	Storage temperature	-10 - 60 °C
Power instability	<3 %	Colling method	Water
Beam quality	<1.4 M ²	Water chiller temperature	28 °C
Laser switching ON/OFF time	<20 µs	Water chiller flow	>2 L/min
Laser dimension	429x296x70 mm	Pipe diameter	10 mm
⁽¹⁾ Net weight	<13 kg		

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Pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

Pulse width (ns)	Power reduction frequency (kHz)	Upper frequency limit (kHz)	Max. single pulse energy (mJ)
2	500	3000	0.24
5	300	3000	0.40
8	210	3000	0.57
10	150	3000	0.80
12	150	3000	0.80
15	140	3000	0.86
20	130	3000	0.92

