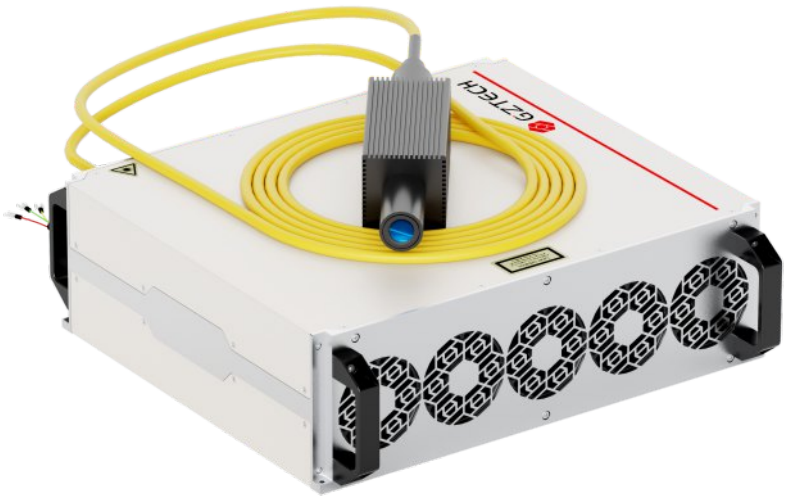
YFPN-300-GM

MOPA FIBER LASER, LR05071A
Data sheet V 1.0



Features

- MOPA Technology
- Short pulse setup
- Verz competitive price
- Pulse width modifiable

TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm
Output power	300 W
Max. pulse energy	2 mJ
Range of power	0-100 %
Repetition frequency	1-3000 kHz
Full power frequency	150-1000 kHz
Pulse width	2-500 ns
Power instability	<5 %
Beam quality	<1.6 M^2
Laser switching ON/OFF time	<20 µs
Laser dimension (mm)	448x439x135
Net weight	<36 kg

Spectral width @3dB	<20 nm
Polarization	Random
Beam diameter	6-8 mm
Delivery cable	5 m
Supply voltage DC	48 VDC
Current consumption	<24 A
Power consumption	<1152 W
Operating temperature	0 - 40 °C
Storage temperature	-10 - 60 °C
Colling method	Air
Isolator dimension	288x67x67(Round)

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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)
1 (CW)	/	/	/
2	2990	3000	0.03
4	2600	3000	0.04
6	1900	3000	0.05
8	1400	3000	0.07
10	2400	3000	0.08
20	2315	3000	0.13
30	1460	3000	0.21
40	1200	2000	0.25
50	1070	2000	0.28
60	940	2000	0.32
70	860	2000	0.35
80	770	2000	0.39
90	650	1000	0.46
100	600	1000	0.50
150	390	1000	0.77
200	275	1000	1.09
250	230	600	1.30
350	200	600	1.50
450	150	600	2.00
500	150	500	2.00

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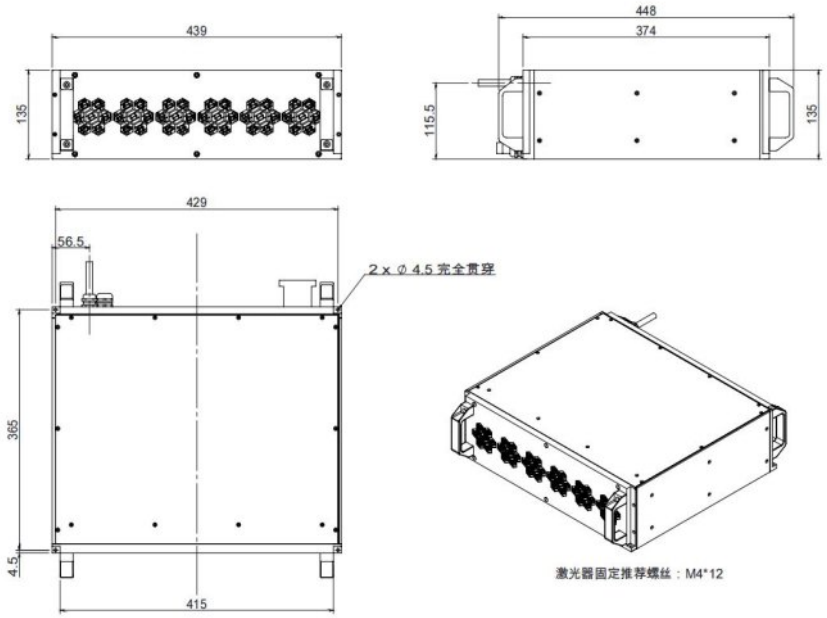
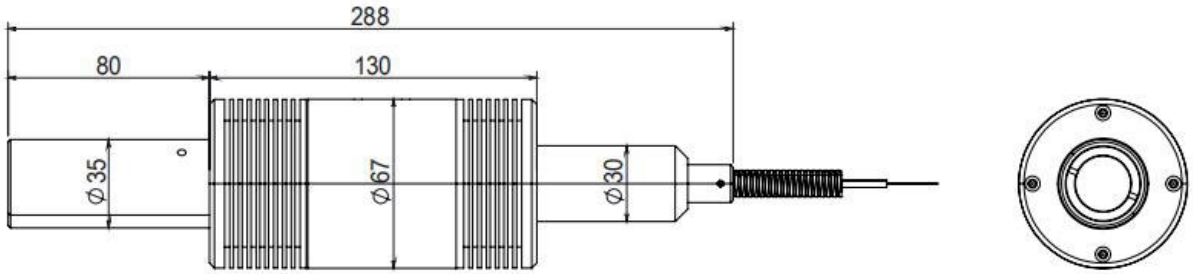


Laser dimension



Isolator

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