YFPN-100-GM

MOPA FIBER LASER
Data sheet V 1.0

Features

- MOPA Technology
- Large Frequency Range
- Short pulse setup
- optimized optcial quality
- Pulse width modifiable

TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm
Output power	100 W
Max. pulse energy	2.0 mJ
Range of power	0-100 %
Repetition frequency	1-3000 kHz
Full power frequency	25-3000 kHz
Pulse width	2-500 ns
Power instability	<5 %
Beam quality	<1.8 M^2
Laser switching ON/OFF time	<20 µs

Spectral width @3dB	<15nm
Beam diameter	7±0.5 mm
Delivery cable	3 m[(1)]
Supply voltage DC	48 V
Current consumption	<10 A
Power consumption	<480 W
Operating temperature	0 - 40 °C
Storage temperature	-10 - 60 °C
Colling method	Air
Laser dimension	360x301x114 mm

[(1)]Available fiber lengths: 2m / 5m

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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	2800	3000	0.04
4	2200	3000	0.05
6	1450	3000	0.07
8	1100	3000	0.09
10	900	3000	0.11
20	430	2000	0.23
30	320	1000	0.31
40	260	1000	0.38
50	220	1000	0.45
60	190	1000	0.53
70	180	1000	0.56
80	170	1000	0.59
90	155	1000	0.65
100	130	400	0.77
150	85	400	1.18
200	80	400	1.25
250	70	400	1.43
350	65	400	1.54
450	50	400	2.00
500	50	400	2.00

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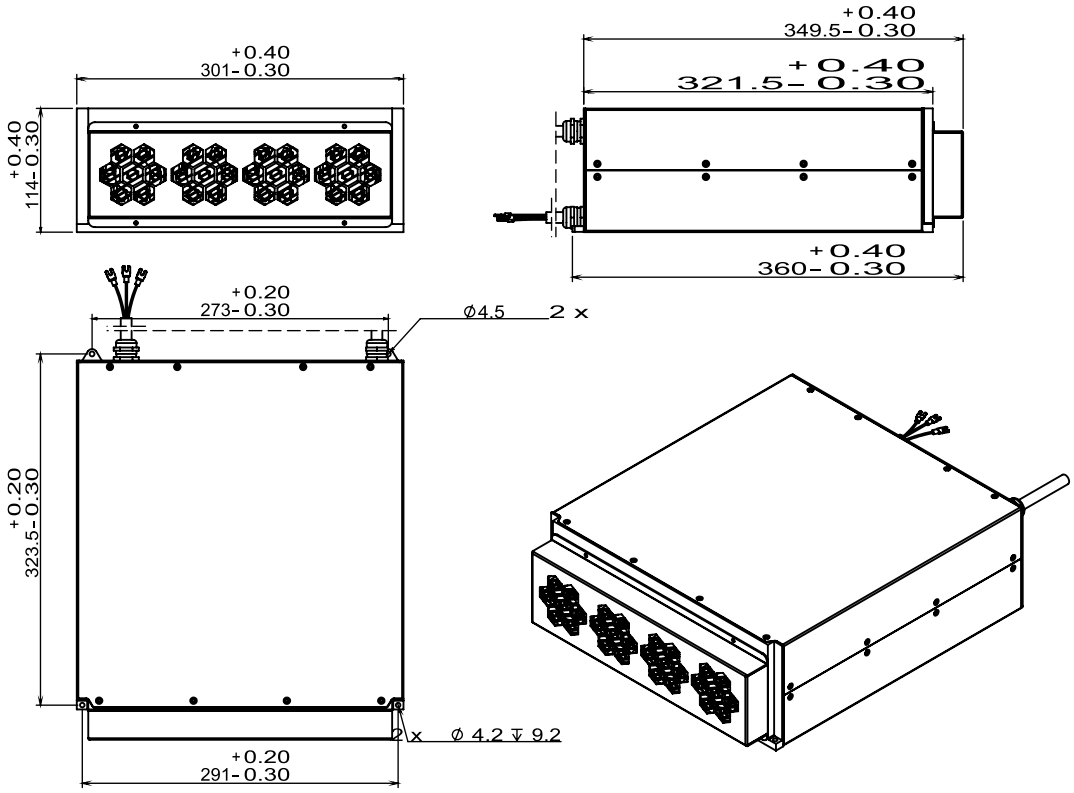
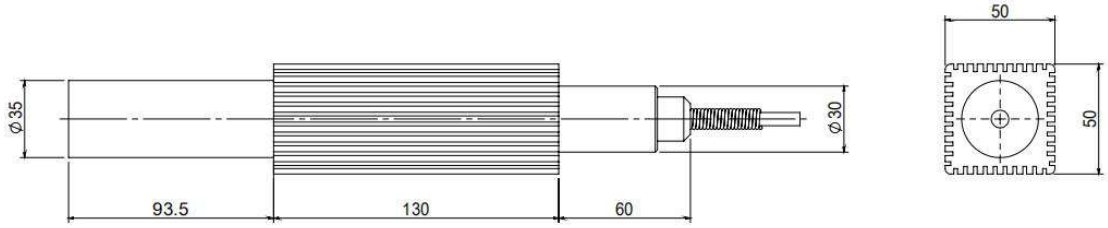
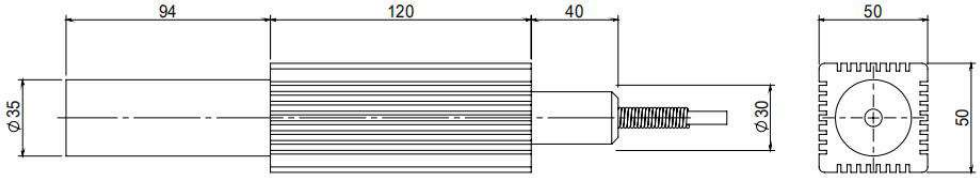


Laser dimension



Collimating Isolator Dimensions one



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