

 GZTECH	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202402
	Model: YFPN-200-GME-LR03071A	Page:	1/6

1 . Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	1060-1080	nm
2	Spectral width @3dB	<20	nm
3	Maximum pulse energy	1.5	mJ
4	Output Power	200	W
5	Power Turning Range	0-100	%
6	Frequency Turning Range	1-3000	kHz
7	Laser switching ON/OFF time	<20	μs
8	Pulse Width	2-500	ns
9	Output power stability	<5	%
10	Beam quality M ²	<1.8	/
11	Polarization direction	Random	/
12	Resist high reaction	Yes	/
13	Indicator red light	0.3-2	mW
14	Collimated beam diameter (4σ)	6-8	mm
15	Delivery cable length	3	m



 GZTECH	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202402
	Model: YFPN-200-GME-LR03071A	Page:	2/6

2 . Electrical characteristics

N	Characteristics	Parameter value	Unit
16	Power supply voltage	48	VDC
17	Working current	<16	A
18	Power consumption	<768	W
19	Recommended power supply	≥ 1000	W

3 . Environmental requirements

N	Characteristics	Parameter value	Unit
20	Operating temperature	0 - 40	°C
21	Storage temperature	- 10 - 60	°C
22	Cooling Method	Air cooling	/

4 . Structural characteristics

N	Characteristics	Parameter value	Unit
23	Laser dimension	425*360*135	mm ³
24	Isolator dimension	258*67(80*Φ35)	mm ³
25	Weight: Net weight/Gross weight	20.40/24.33	kg
26	Carton dimension	670*550*310	mm ³



 GZTECH	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202402
	Model: YFPN-200-GME-LR03071A	Page:	3/6

5. The pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

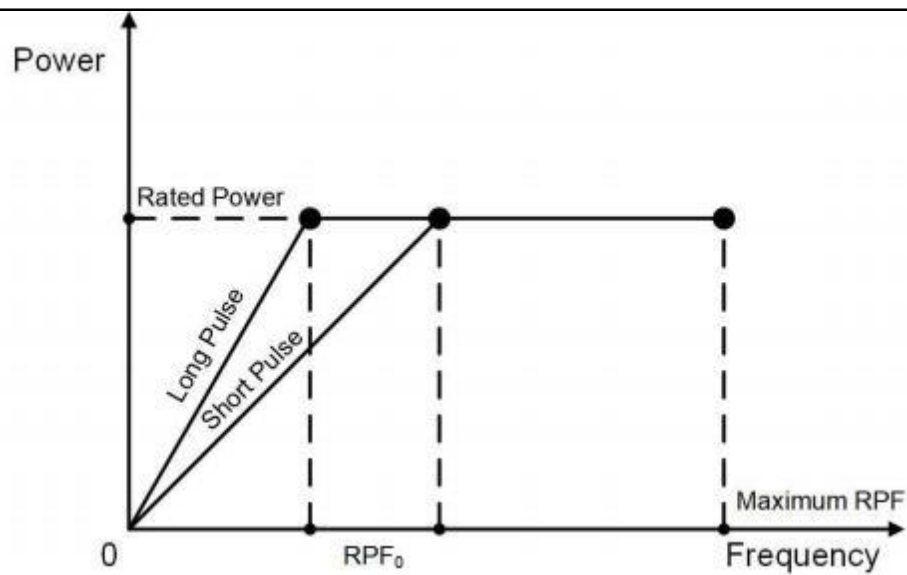
N	Pulse width (ns)	Power reduction frequency (kHz)	Upper frequency limit (kHz)	Max single pulse energy (mJ)
1	CW	/	/	/
2	2	2800	3000	0.04
3	4	2200	3000	0.05
4	6	1450	3000	0.07
5	8	1100	3000	0.09
6	10	1800	3000	0.11
7	20	860	2000	0.23
8	30	640	2000	0.31
9	40	520	2000	0.38
10	50	440	1000	0.45
11	60	380	1000	0.53
12	70	360	1000	0.56
13	80	340	1000	0.59
14	90	310	1000	0.65
15	100	260	1000	0.77
16	150	170	400	1.18
17	200	160	400	1.25



 GZTECH	Specifications		Revision:	V3.7
	MOPA pulsed fiber lasers		Date:	202402
	Model: YFPN-200-GME-LR03071A		Page:	4/6

18	250	140	400	1.43
19	350	130	400	1.54
20	450	130	400	1.54
21	500	130	400	1.54

2-8ns full power output is 100W, 10-500ns full power output is 200W.



The definition of threshold frequency in the pulsed fiber laser





GZTECH

Specifications

MOPA pulsed fiber lasers

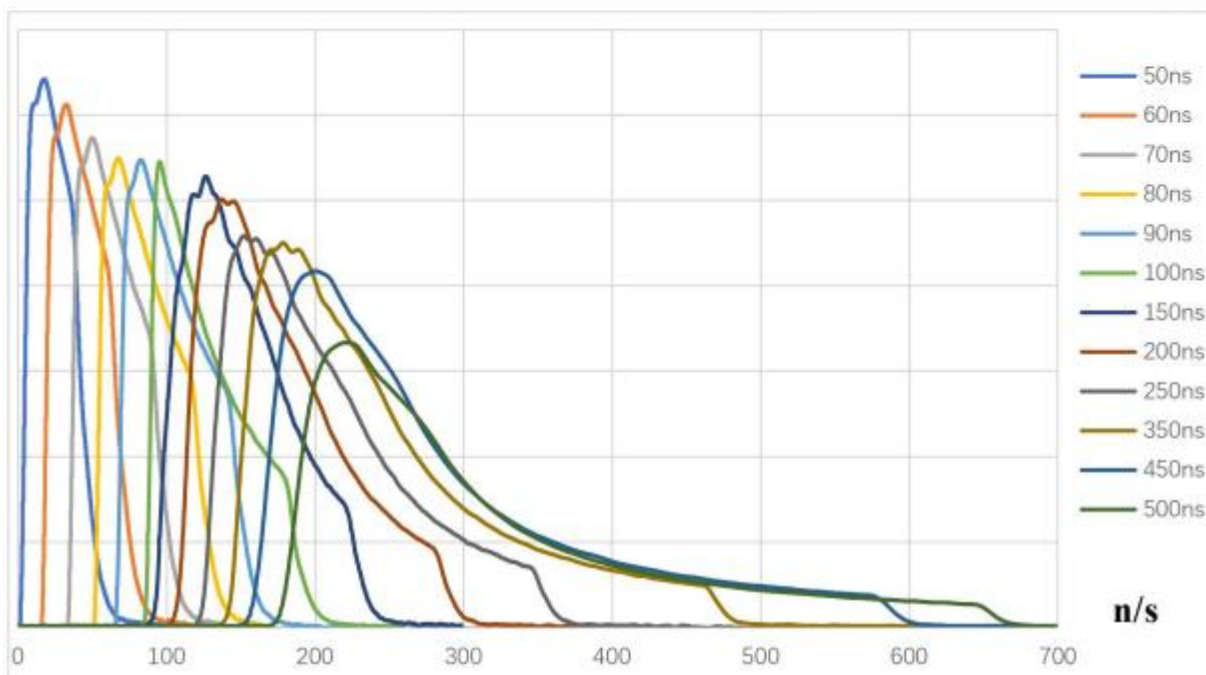
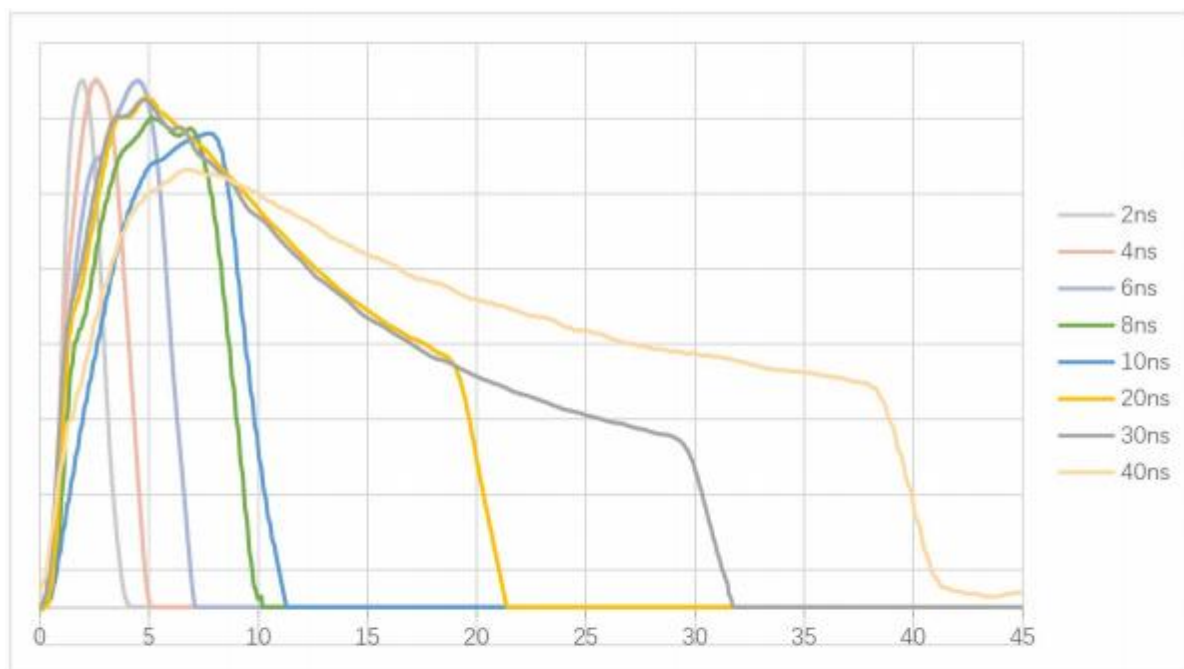
Model: YFPN-200-GME-LR03071A

Revision: V3.7

Date: 202402

Page: 5/6

6. Pulse width waveform

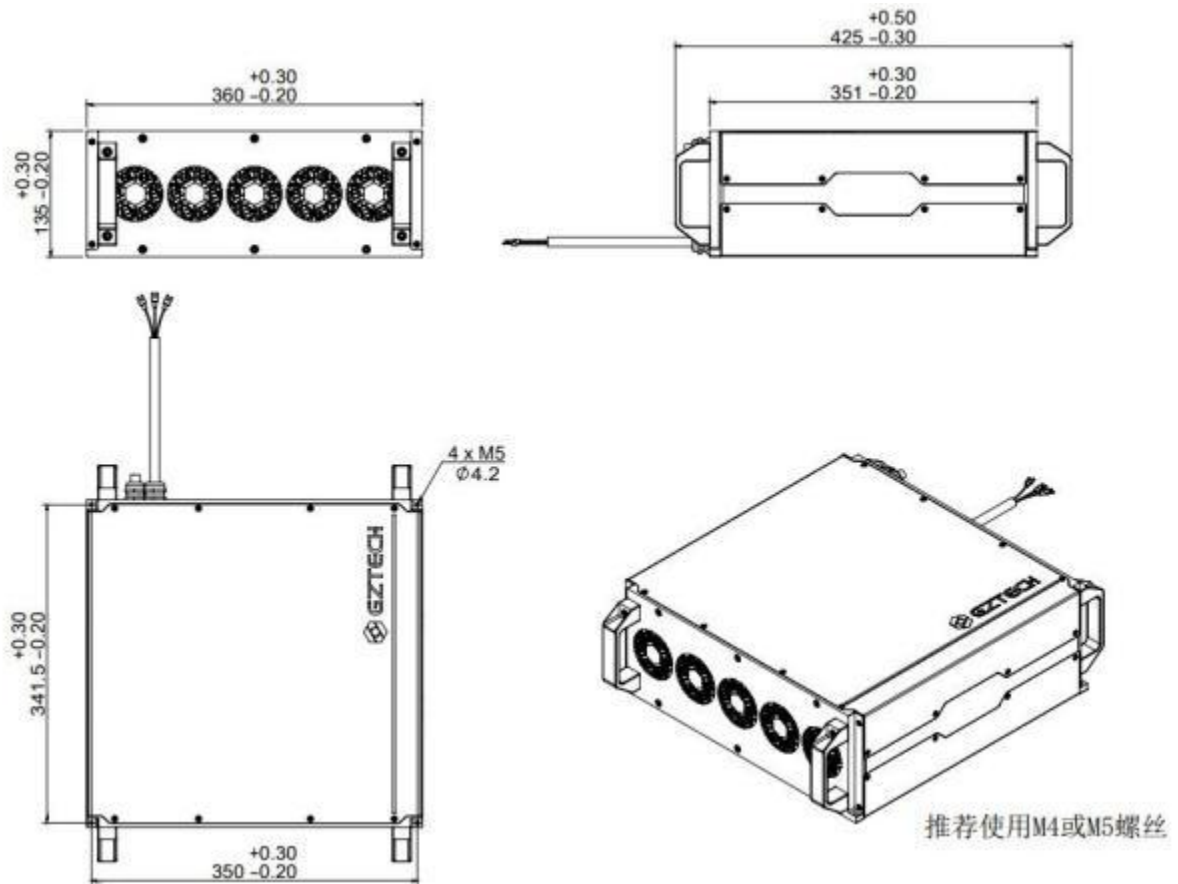


A leading supplier of advanced lasers for precision manufacturing

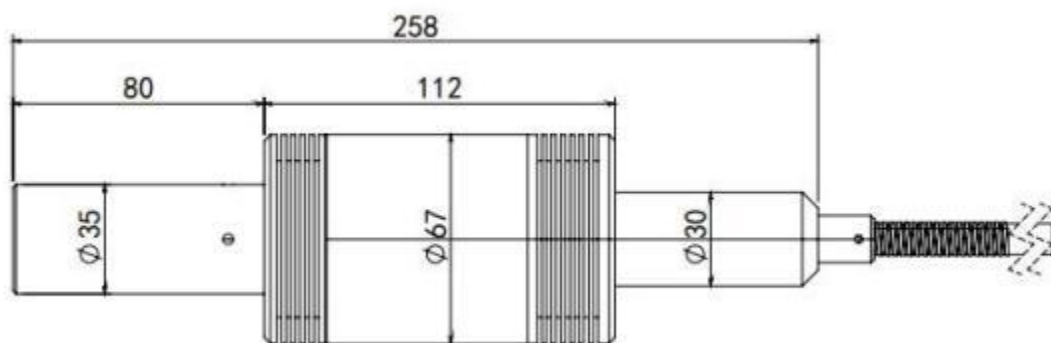
<https://en.gzlasertech.com/>

 GZTECH	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202402
	Model: YFPN-200-GME-LR03071A	Page:	6/6

7. Dimension



Laser dimension



Collimation Isolator Dimension

