

	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202401
	Model: YFPN-60-GME-LR03071A	Page:	1/6

1. Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	1060 - 1080	nm
2	Spectral width @3dB	< 15	nm
3	Maximum pulse energy	1.5	mJ
4	Output power	60	W
5	Power adjustment range	0 - 100	%
6	Frequency adjustment range	1 - 3000	kHz
7	Laser switching ON/OFF time	< 20	μs
8	Pulse width	2 - 500	ns
9	Output power instability	< 5	%
10	Beam quality M ²	< 1.6	/
11	Polarization direction	Random	/
12	Anti-high reflection	Yes	/
13	Indicator red light	0.3 - 2	mW
14	Collimated beam diameter (4σ)	6 - 8	mm
15	Delivery cable length	3	m



	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202401
	Model: YFPN-60-GME-LR03071A	Page:	2/6

2. Electrical characteristics

N	Characteristics	Parameter value	Unit
1	Power supply voltage	24	VDC
2	Working current	< 11	A
3	Power consumption	< 264	W
4	Recommended power supply	≥ 350	W

3. Environmental requirements

N	Characteristics	Parameter value	Unit
1	Operating temperature	0 - 40	°C
2	Storage temperature	-10 - 60	°C
3	Cooling method	Air cooling	/

4. Structural characteristics

N	Characteristics	Parameter value	Unit
1	Laser dimension	316.5*260*80	mm ³
2	Isolator dimension	180*42*42 (86*Φ35)	mm ³
3	Net weight	8.2	kg



	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202401
	Model: YFPN-60-GME-LR03071A	Page:	3/6

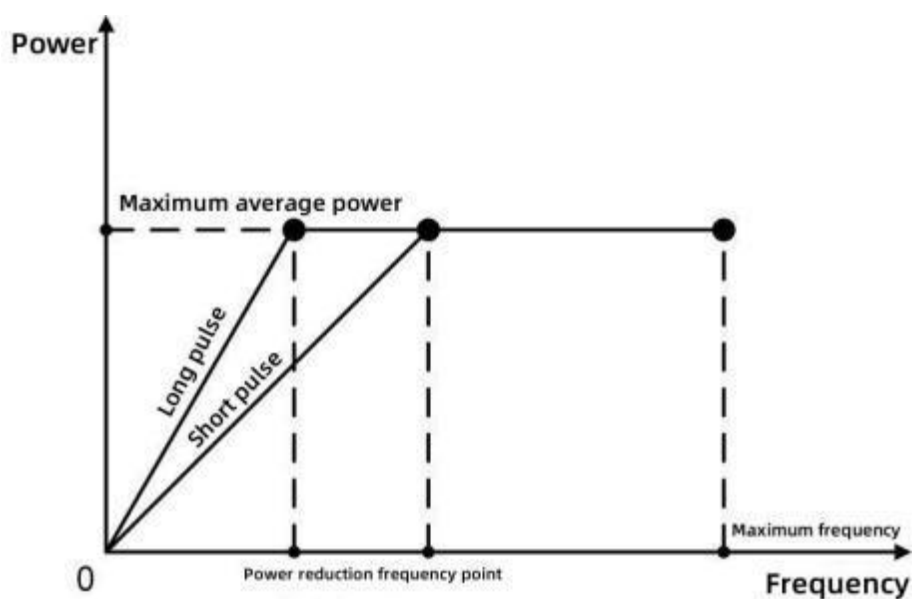
5. The pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

No.	Pulse width (ns)	Power reduction frequency(kHz)	Upper frequency limit (kHz)	Max single pulse energy (mJ)
1	1 (CW)	/	/	/
2	2	1240	3000	0.05
3	4	975	3000	0.06
4	6	560	3000	0.11
5	9	410	3000	0.15
6	12	300	3000	0.20
7	20	170	3000	0.35
8	30	125	3000	0.48
9	45	115	2000	0.52
10	60	86	2000	0.70
11	80	81	2000	0.74
12	100	76	1000	0.79
13	150	60	1000	1.00
14	200	50	1000	1.20
15	250	50	1000	1.20
16	350	50	600	1.20



	Specifications	Revision:	V3.7
	MOPA pulsed fiber lasers	Date:	202401
	Model: YFPN-60-GME-LR03071A	Page:	4/6

17	450	40	500	1.50
18	500	40	500	1.50



The relationship between laser output power and frequency





Specifications

MOPA pulsed fiber lasers

Model: YFPN-60-GME-LR03071A

Revision:

V3.7

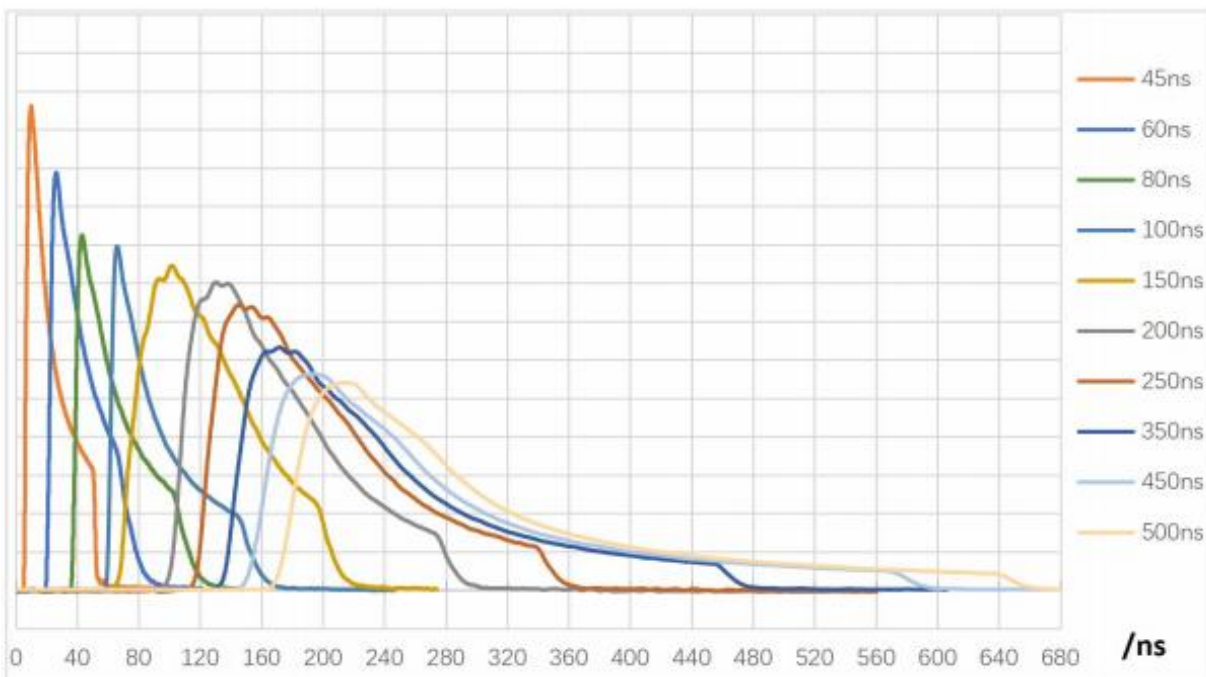
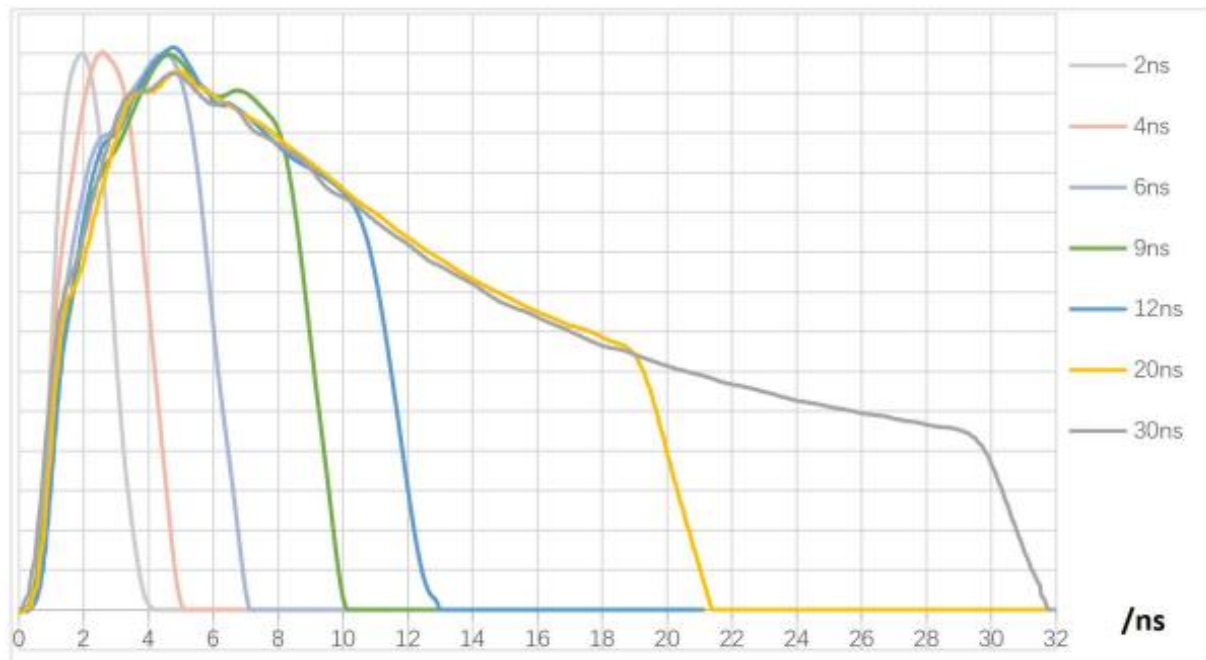
Date:

202401

Page:

5/6

6. Pulse width waveform

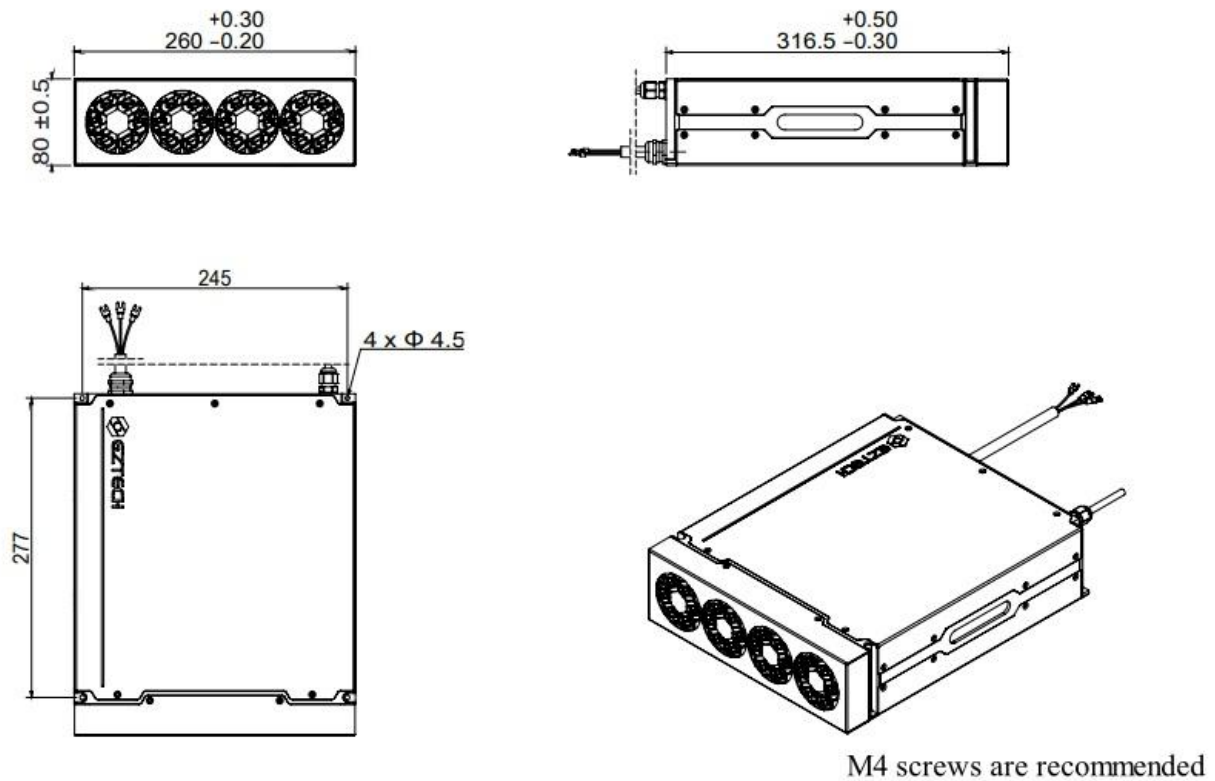


A leading supplier of advanced lasers for precision manufacturing

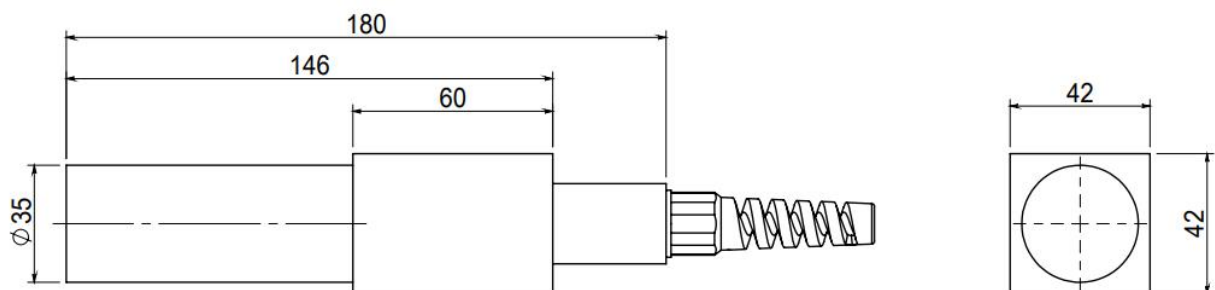
<https://en.gzlasertech.com/>

	Specifications MOPA pulsed fiber lasers Model: YFPN-60-GME-LR03071A	Revision:	V3.7
		Date:	202401
		Page:	6/6

7. Dimension



Laser dimension



Isolator dimension

