1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	1060-1080	nm
2	Spectral width @3 dB	<15	nm
3	Maximum pulse energy	1.0	mJ
4	Output power	30	W
5	Power adjustment range	0-100	%
6	Frequency adjustment range	1-3000	kHz
7	Laser switching ON/ OFF time	<50	μs
8	Pulse width	0.5-500	ns
9	Output power instability	<5	%
10	Beam quality M^2	<1.5	/
11	Polarization direction	Random	/
12	Anti-high reflection	Yes	/
13	Indicator red light	0.3-2	mW
14	Collimated beam diameter (4σ)	7±1	mm
15	Delivery cable length	1.5	m

2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
16	Power supply voltage	24	VDC
17	Working current	<6	A
18	Power consumption	<144	W
19	Recommended power supply	≥150	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
20	Operating temperature	0 - 40	℃
21	Storage temperature	-10 - 60	℃
22	Cooling method	Air cooling	/

4. Structural characteristics

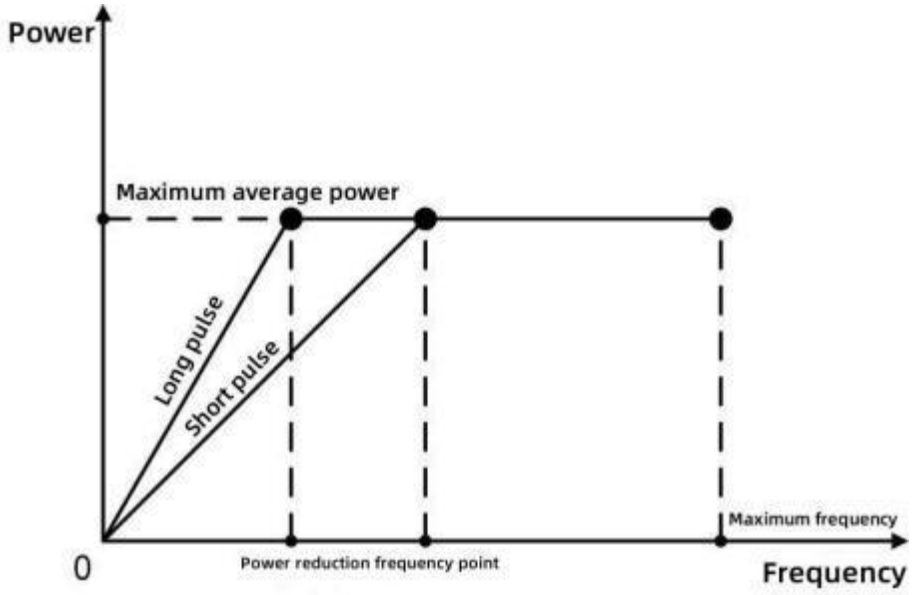
No.	Characteristics	Parameter value	Unit
23	Laser dimension	269*210*69	mm^3
24	Isolator dimension	200*42*42	mm^3
25	Weight:Net weight/Gross weight	4.64/5.68	kg
26	Carton dimension	430*290*200	mm^3

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	2	450	3000	0.067
2	3	390	3000	0.077
3	4	300	3000	0.100
4	5	240	3000	0.125
5	6	210	3000	0.143
6	7	280	3000	0.167
7	8	165	3000	0.182
8	9	158	3000	0.190
9	10	143	3000	0.210
10	12	132	3000	0.227
11	20	98	2000	0.306
12	30	90	2000	0.333
13	45	83	2000	0.361
14	60	68	2000	0.441
15	80	60	1000	0.500

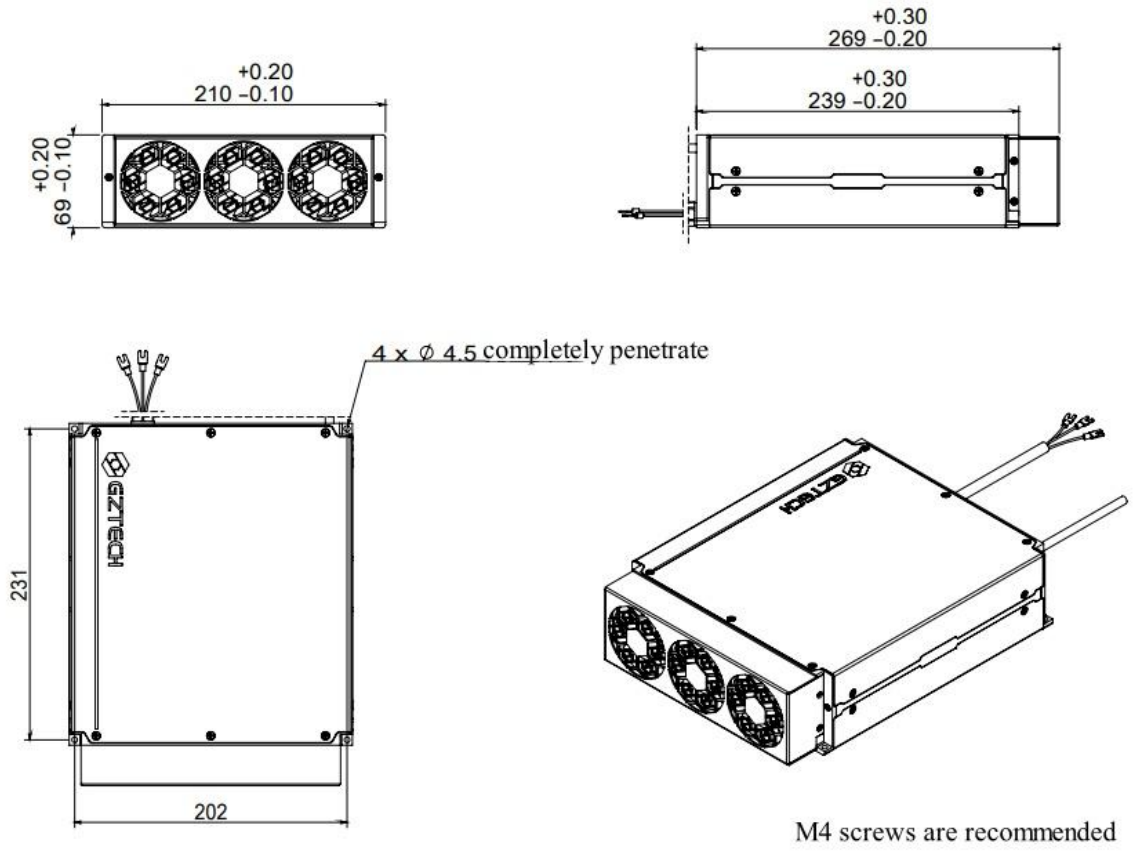
16	100	54	1000	0.556
17	150	45	1000	0.667
18	200	38	1000	0.789
19	250	33	400	0.909
20	350	30	400	1.000
21	500	30	400	1.000
22	501	2400	3000	0.013
23	801	1250	3000	0.024

Note: “501” corresponds to 500 picoseconds (ps) and “801” to 800 picoseconds (ps)

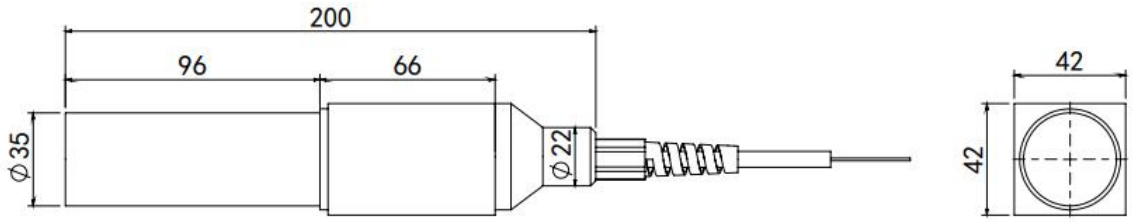


The relationship between laser output power and frequency

6. Dimension



Laser dimension



Isolator dimension