

 GZTECH	Specifications	Revision :	V1.3
	Pulsed solid-state laser	Date :	202503
	Model: S-3-355-N1A	Page:	1/6

1. Optical characteristics

N	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Maximum pulse energy	> 75@40kHz	μJ
3	Output power	> 3@40kHz	W
4	Frequency adjustment range	30-200	kHz
5	Pulse width	< 15@40kHz	ns
6	Output power instability	< 3%	RMS
7	Beam quality M ²	< 1.3	/
8	Spot roundness	> 90%	/
9	Polarization direction	horizontal	/
10	1/e ² beam diameter(Bare beam)	0.45 ± 0.1	mm
11	1/e ² beam diameter (10X)	4.5 ± 1	mm
12	Visual beam diameter (10X)	6.75 ± 1.5	mm
13	Bare beam divergence angle	< 2	mrad
14	Warm-up time	< 15	min

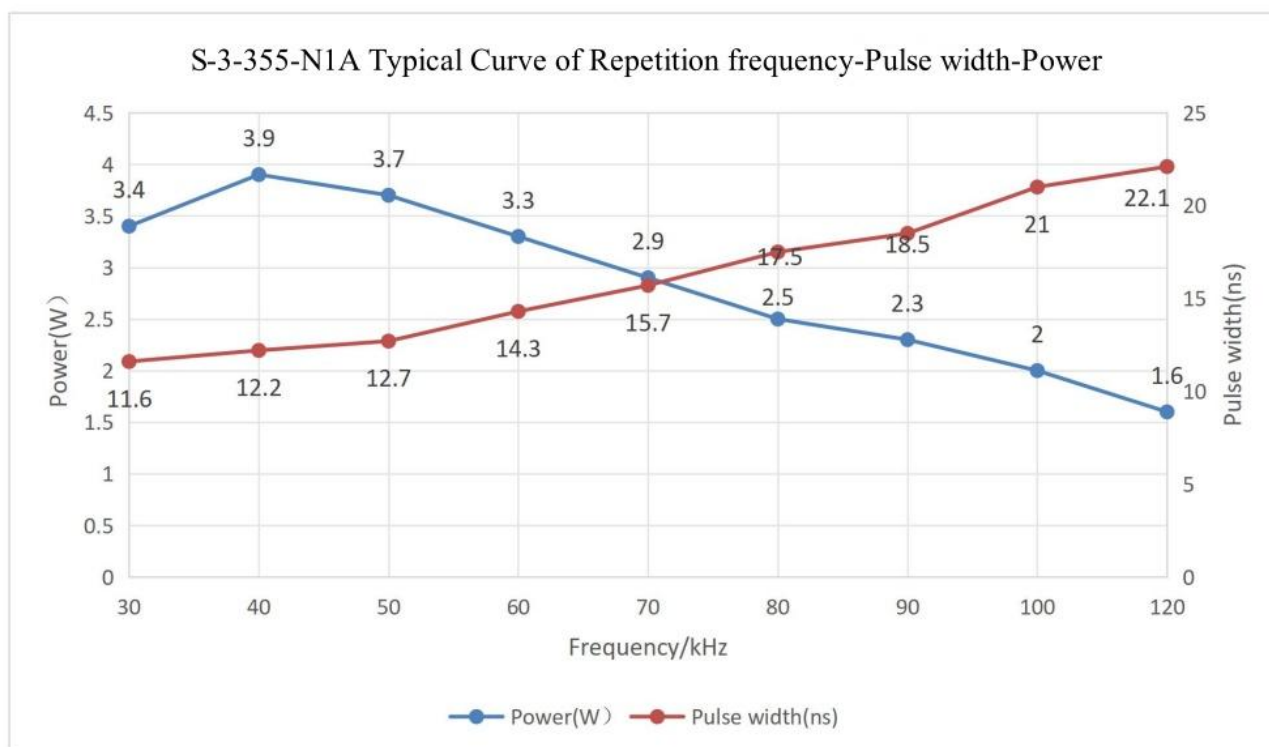




GZTECH

Specifications
Pulsed solid-state laser
Model: S-3-355-N1A

Revision : V1.3
Date: 202503
Page: 2/6



2. Electrical characteristics

N	Characteristics	Parameter value	Unit
1	Power supply voltage	24	VDC
2	Working current	< 5	A
3	Power consumption	< 120	W
4	Recommended power supply	≥ 200	W



 GZTECH	Specifications	Revision :	V1.3
	Pulsed solid-state laser	Date :	202503
	Model: S-3-355-N1A	Page:	3/6

3. Environmental requirements

N	Characteristics	Parameter value	Unit
1	Ambient temperature	5~35	°C
2	Storage temperature	-10~50	°C
3	Ambient relative humidity	< 90 %	/

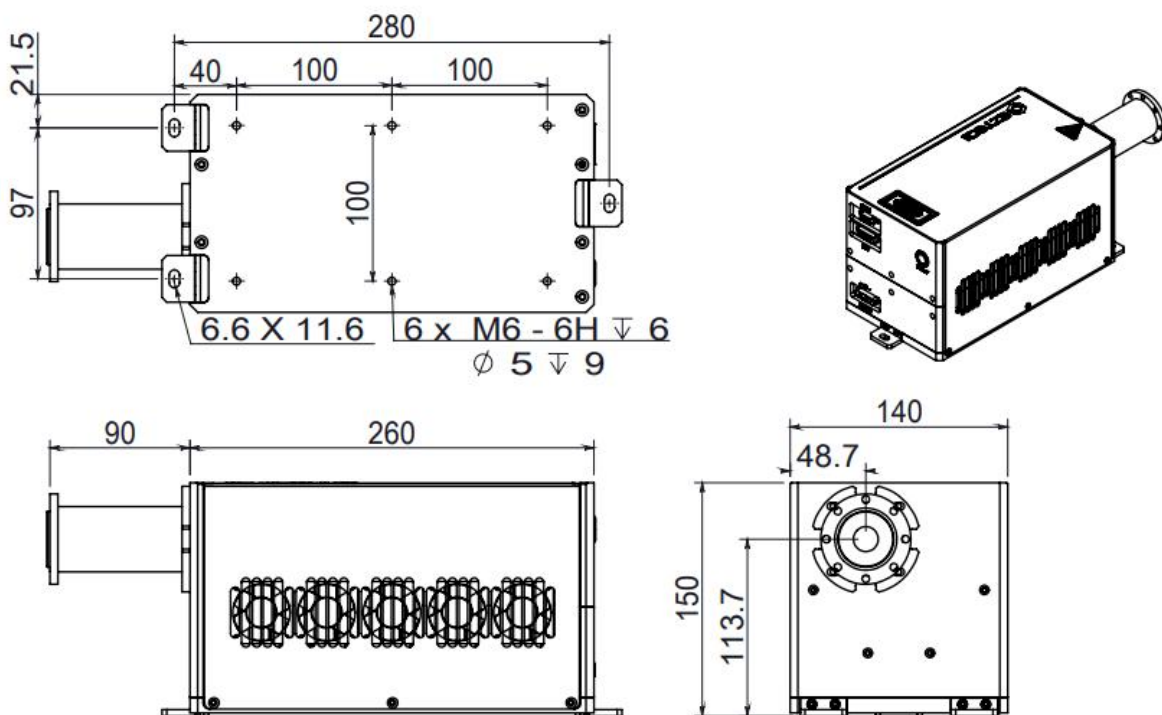


 GZTECH	Specifications	Revision :	V1.3
	Pulsed solid-state laser	Date :	202503
	Model: S-3-355-N1A	Page:	4/6

4. Structural characteristics

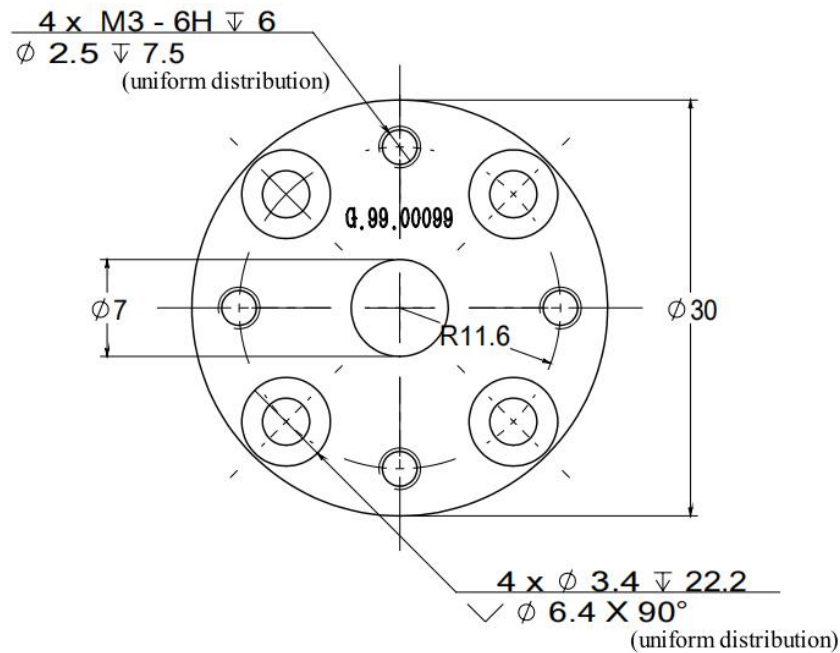
N	Characteristics	Parameter value	Unit
1	Laser dimension (without feet and galvanometer adapter)	260*140*150	mm ³
2	Net weight	7.5 ± 0.3	kg

5. Dimension

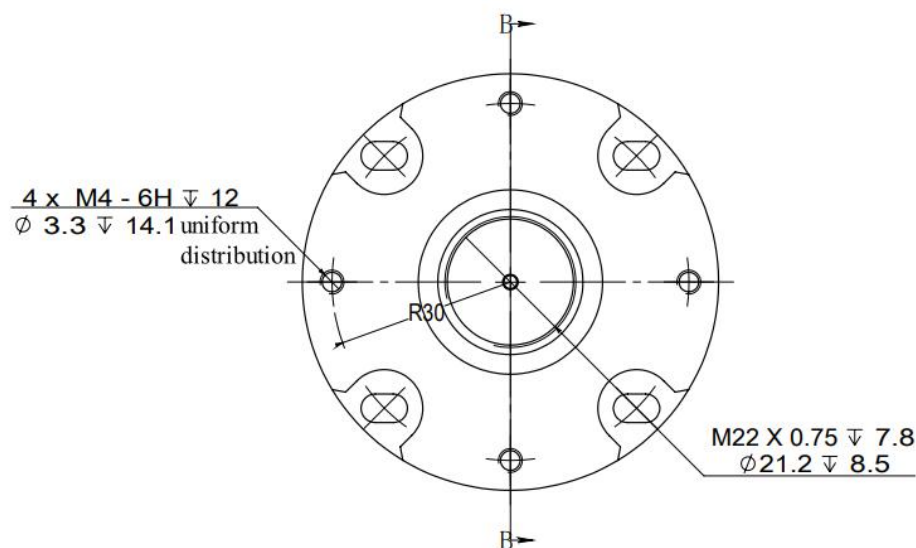


 GZTECH	Specifications	Revision :	V1.3
	Pulsed solid-state laser	Date:	202503
	Model: S-3-355-N1A	Page:	5/6

6. Flange beam expander mounting hole size reference (M3 threaded hole), standard configuration for this model

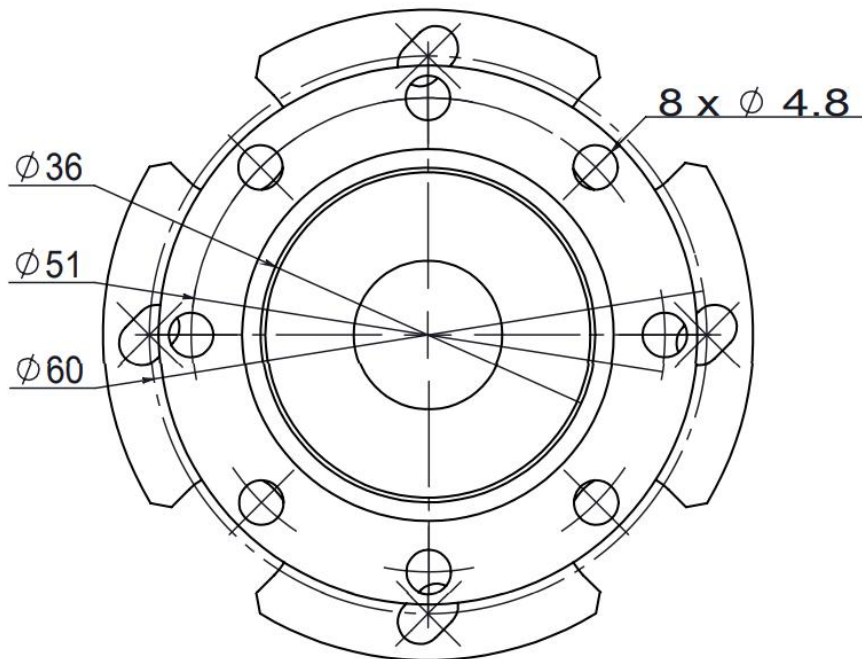


7. Threaded beam expander mounting hole size reference (M22 threaded hole)



 GZTECH	Specifications	Revision :	V1.3
	Pulsed solid-state laser	Date:	202503
	Model: S-3-355-N1A	Page:	6/6

8. Galvanometer connection tube



9. Galvanometer adapter

