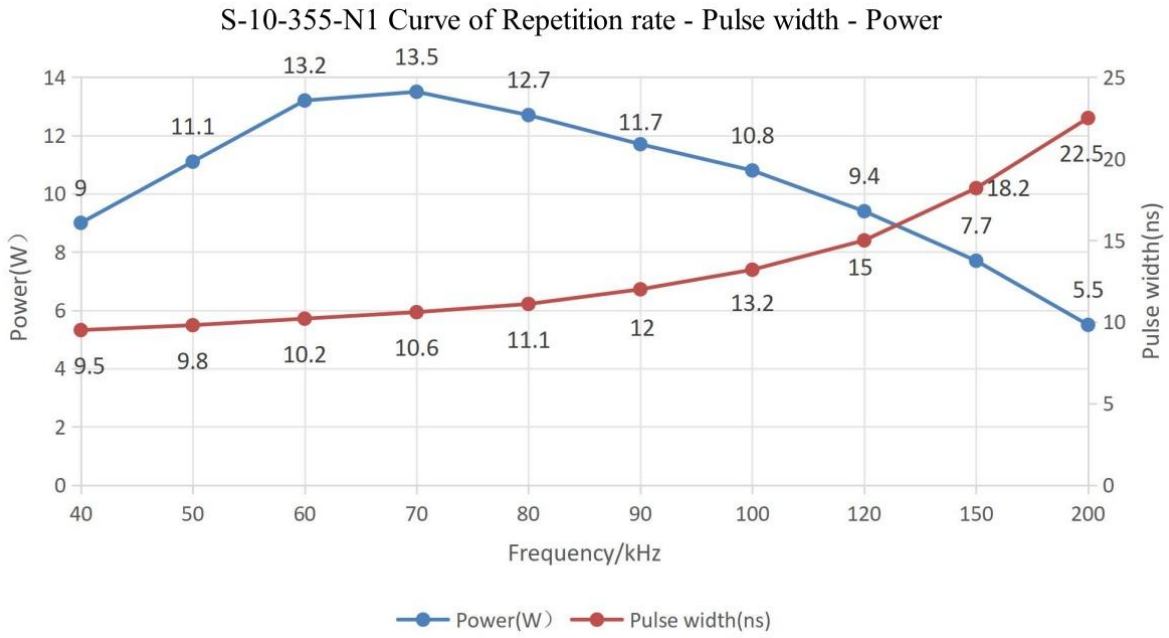
1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Maximum pulse energy	>160@60kHz	μJ
3	Output power	>10@60kHz	W
4	Frequency adjustment range	50 - 200	kHz
5	Pulse width	< 14@60kHz	ns
6	Output power instability	< 3%	RMS
7	Beam quality M^2	< 1.3	/
8	Spot roundness	> 90%	/
9	Polarization direction	horizontal	/
10	1/e² beam diameter(Bare beam)	0.5 ± 0.1	mm
11	1/e ² beam diameter (10X)	5 ± 1	mm
12	Bare beam divergence angle	< 2	mrad
13	Warm-up time	< 10	min



2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Power supply voltage	24	VDC
2	Working current	< 10	A
3	Power consumption	< 240	W
4	Recommended power supply	≥ 350	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
1	Ambient temperature	15 ~ 35	℃
2	Storage temperature	-10 ~ 50	℃

3	Ambient relative humidity	< 90 %	/

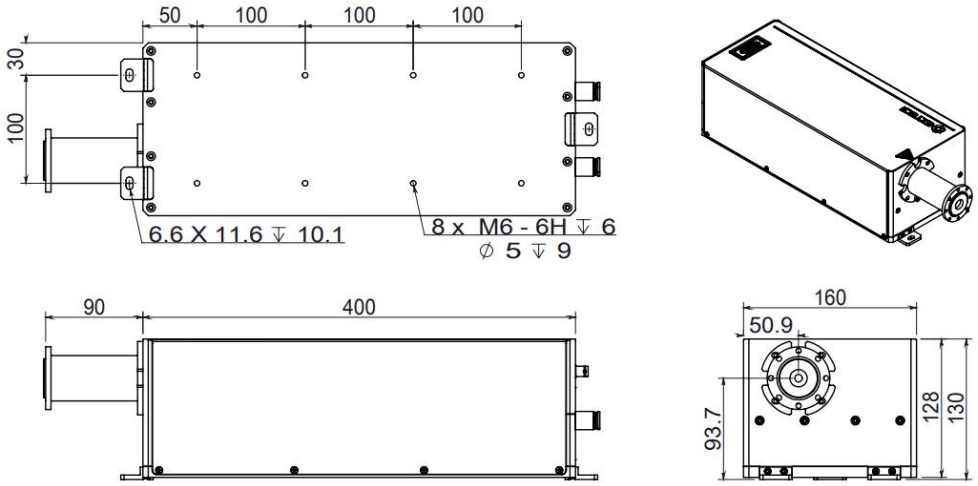
4. Water cooler requirements

No.	Characteristics	Parameter value	Unit
1	Cooling capacity	> 580	W
2	Water flow	> 6	L/min
3	Water tank temperature control	25 ± 0.3	℃
4	Water pipe diameter	10	mm

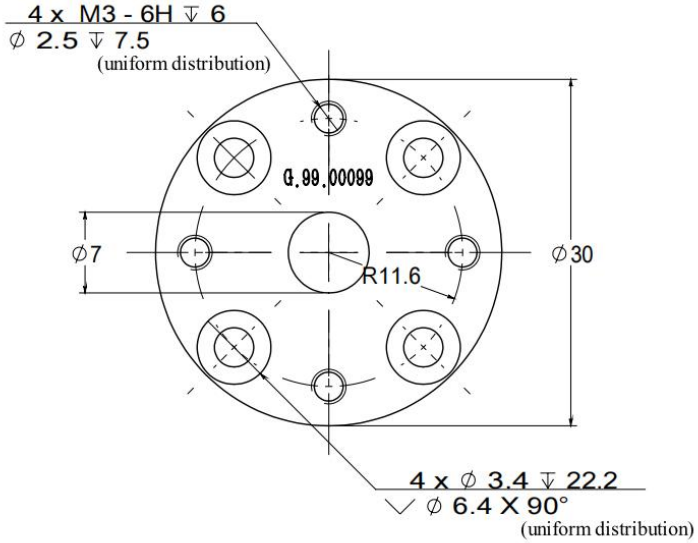
5. Structural characteristics

No.	Characteristics	Parameter value	Unit
1	Laser dimension (without feet and galvanometer adapter)	400*160*130	mm^3
2	Net weight	12 ± 0.3	kg

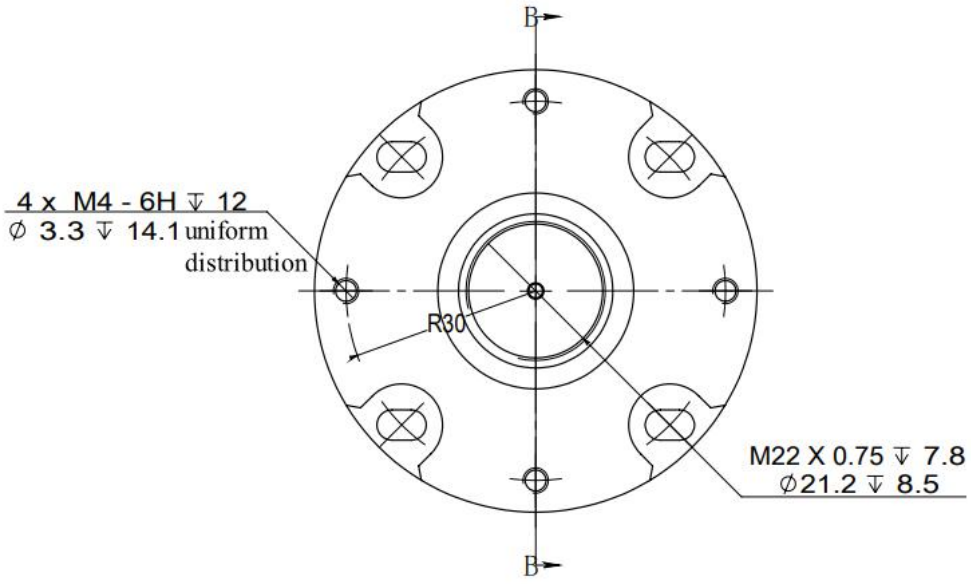
6. Dimension



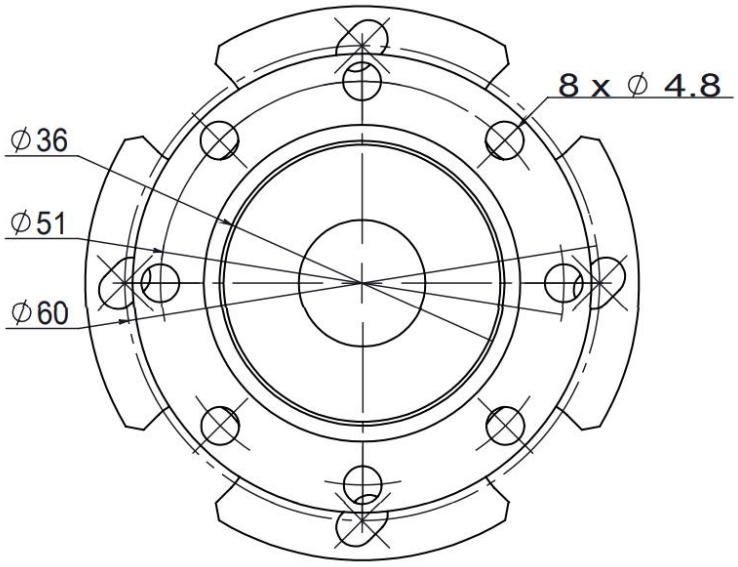
7. Flange beam expander mounting hole size reference (M3 threaded hole), standard configuration for this model



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



9. Galvanometer connection tube



10. Galvanometer adapter

