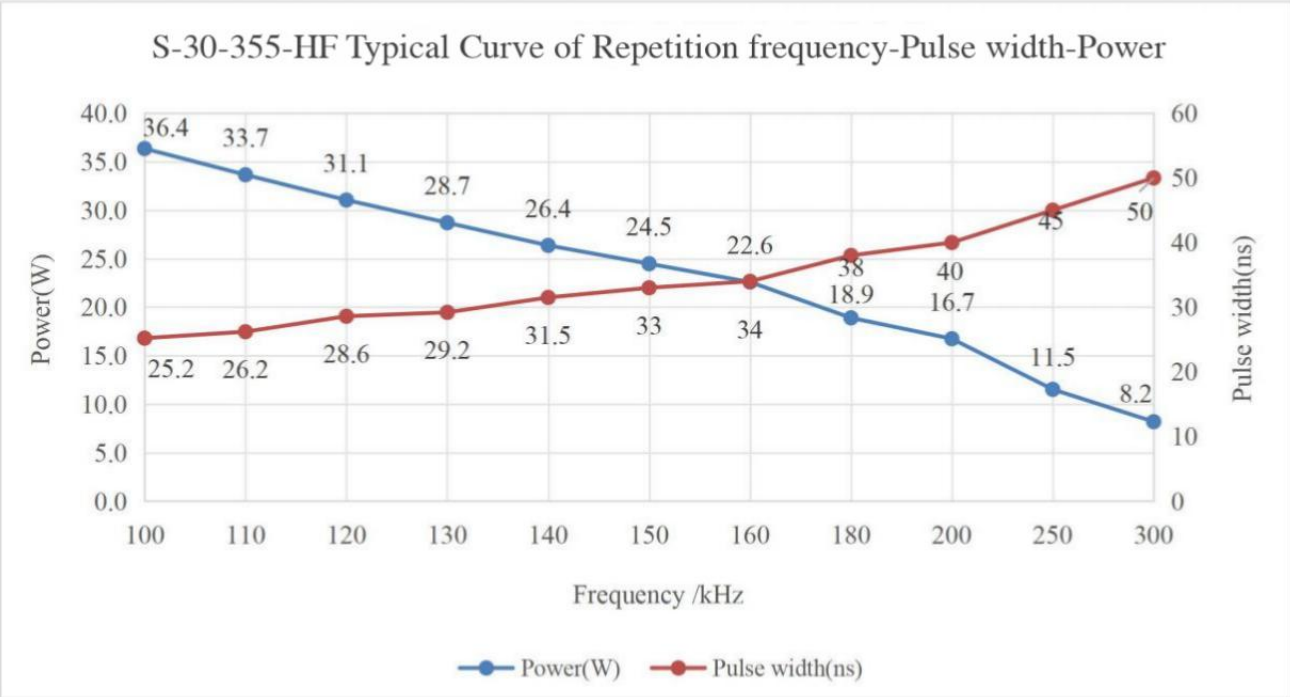
1. Optical characteristics

No.	Characteristics	Parameter value	Unit
1	Central wavelength	355	nm
2	Maximum pulse energy	>300(@100kHz)	μJ
3	Output power	>30(@100kHz)	W
4	Frequency adjustment range	100-300	kHz
5	Pulse width	<35ns@100kHz	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)	0.7 ± 0. 1	mm
11	1/e ² beam diameter (10X)	5.6 ± 1	mm
12	Visual beam diameter (10X)	8.4 ± 1.5	mm
13	Bare beam divergence angle	< 2	mrad
14	Warm-up time	< 10	min



2. Electrical characteristics

No.	Characteristics	Parameter value	Unit
1	Power supply voltage	48	V
2	Working current	< 12	A
3	Power consumption	< 576	W
4	Recommended power supply	⩾800	W

3. Environmental requirements

No.	Characteristics	Parameter value	Unit
1	Ambient temperature	15~ 35	℃
2	Storage temperature	-10~50	℃
3	Ambient relative humidity	< 90 % (No condensation)	/

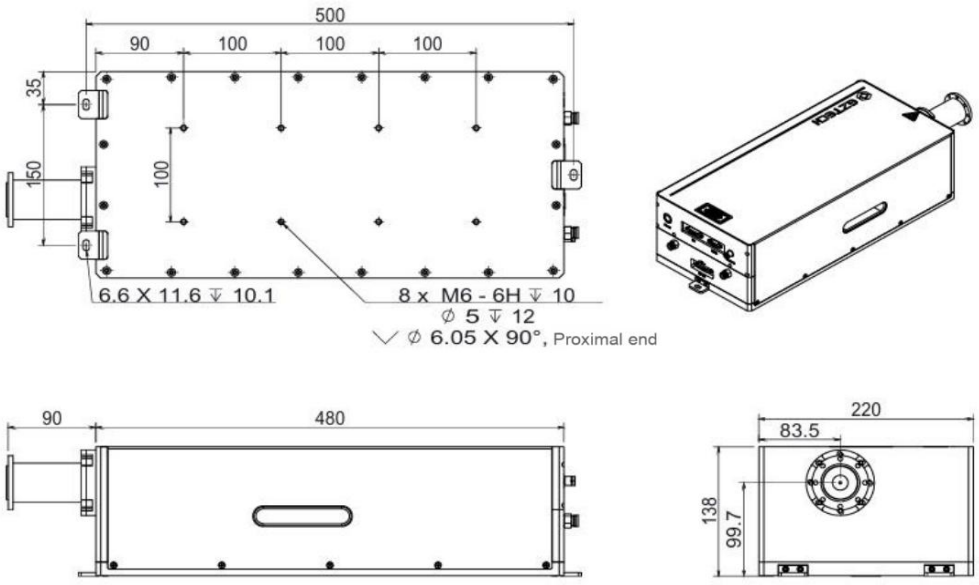
4. Water cooler requirements

No.	Characteristics	Parameter value	Unit
1	Cooling capacity	> 1000	W
2	Water flow rate	> 5.5	L/min
3	Water tank temperature control	25±0.3	℃
4	Water pipe diameter	10	mm

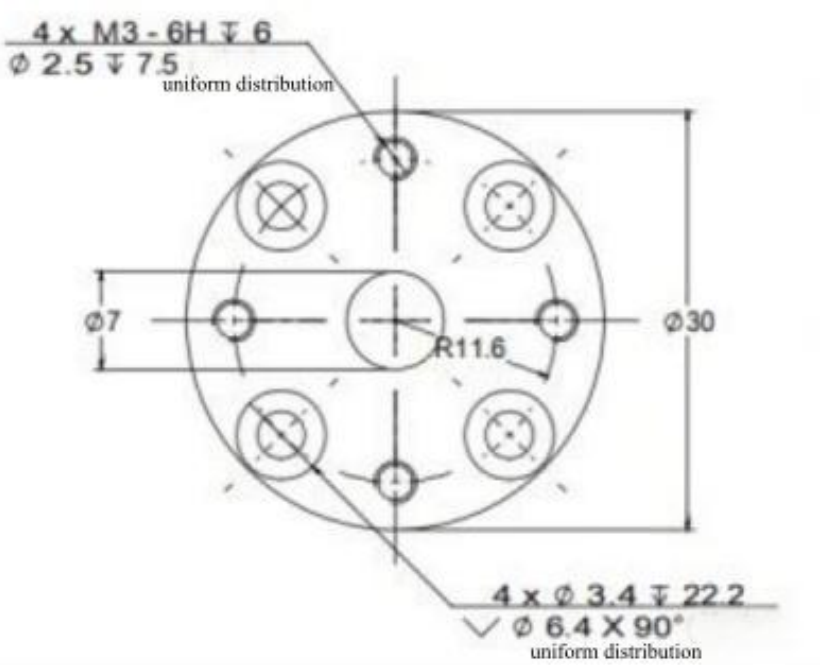
5. Structural characteristics

No.	Characteristics	Parameter value	Unit
1	Laser dimension (without feet and galvanometer adapter)	480*220*138	mm^3
2	Net weight	23±0.3	kg

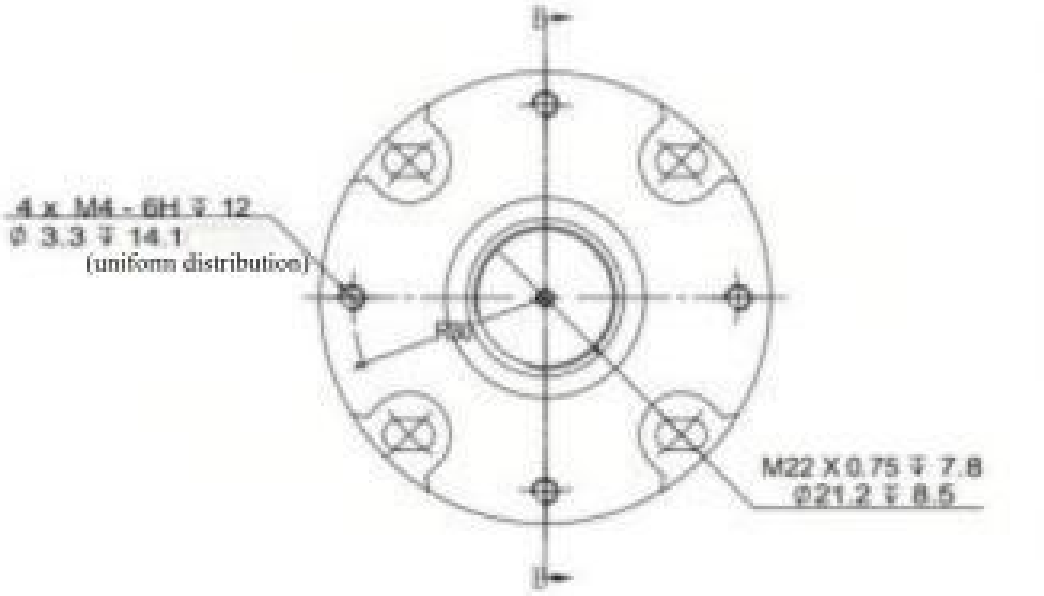
6. Dimension



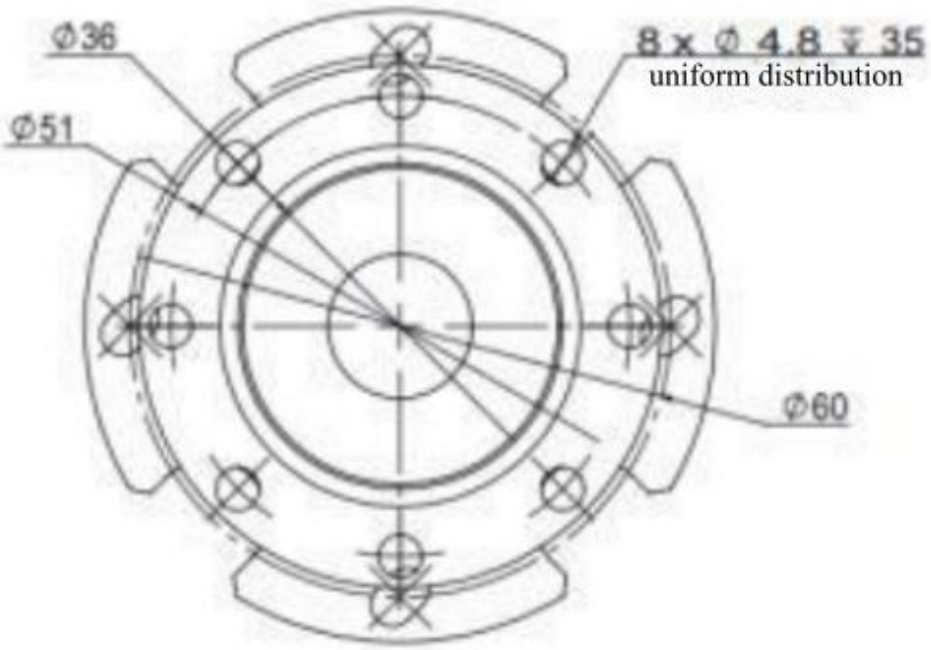
7. Flange beam expander mounting hole size reference



8. Threaded beam expander mounting hole size reference



9. Galvanometer connection tube



10. Galvanometer adapter

