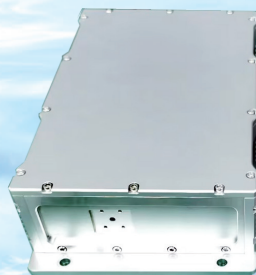




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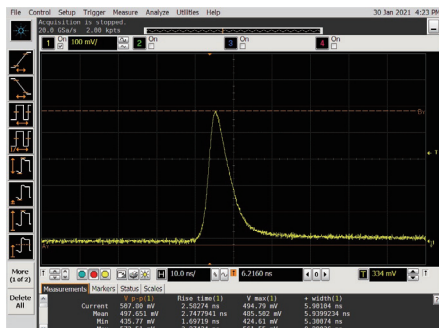


BlastQA系列主动调Q激光器

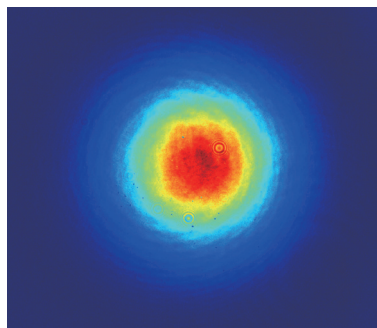
- ◆ Energy: ~3mJ, Pulse Width:~1ns
- ◆ Repetition Rate: ~10kHz
- ◆ Polarization Ratio >100:1

Technical Parameters 技术参数

Specifications 产品参数		BlastQA-S系列				BlastQA-L系列						BlastQA-M系列
Model Number		BlastQA-S-1064-300	BlastQA-S-1064-200	BlastQA-S-532-150	BlastQA-S-532-100	BlastQA-L-1064-400	BlastQA-L-1064-3000	BlastQA-L-1064-1000	BlastQA-L-532-200	BlastQA-L-532-1500	BlastQA-L-532-500	BlastQA-M-1064/532
型号												
Wavelength (nm)		1064		532		1064			532			1064/532同轴
波长												
Repetition Rate (kHz)		1~5	5~10	1~5	5~10	1~5	1~2	1~4	1~5	1~2	1~4	5~10
重复频率												
Pulse Width (ns)		<1				<1.5	<3		<1.5	<3		<8
脉冲宽度												
Max Pulse Energy (μJ)		300	200	150	100	400	3000	1000	200	1500	500	>200@532 >150@1064
最大单脉冲能量												
Time Jitter (ns)		<1				<1						<1
时间抖动												
Energy Stability (rms,8h)		<3%		<5%		<3%			<5%			<3%@1064 <5%@532
能量稳定性												
Beam Quality (M²)		<1.3				<1.8						<1.5
光束质量												
Beam Divergence (mrad)		<6				<5						<5
Horizontal @1/e²												
光束发散角 水平/竖直												
Vertical @1/e²												
Polarization		Linear >100:1				Linear >100:1						Linear >100:1
偏振特性												
Cooling		Air cooled				Air cooled						Air cooled
冷却方式												
Power Supply		100-240 VAC, 50/60Hz				100-240 VAC, 50/60Hz						100-240 VAC 50/60Hz
电源输入												
Control Interface		RS232				RS232						RS232
控制接口												
Trigger Input		TTL 0-5V				TTL 0-5V						TTL 0-5V
触发输入												
Power Consumption (W)		<100				<100						<200
系统功耗												
Power Dimensions (W×H×L,mm)		150x70x200				150x70x200						150x70x200
电源尺寸												
Laser Head Dimensions (W×H×L,mm)		145x60x255; 145x89x255 (With Heat Sink)				200x60x255; 200x89x255 (With Heat Sink)						150x90x300
激光头尺寸												
Operation Temperature (°C)		15~35				15~35						15~35
工作温度												
Storage Temperature (°C)		0~60				0~60						0~60
存储温度												



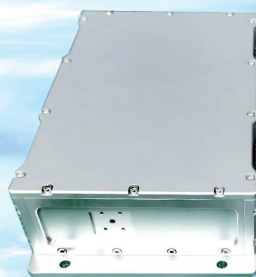
Typical Pulse
典型脉宽



Beam Profile
光斑形貌



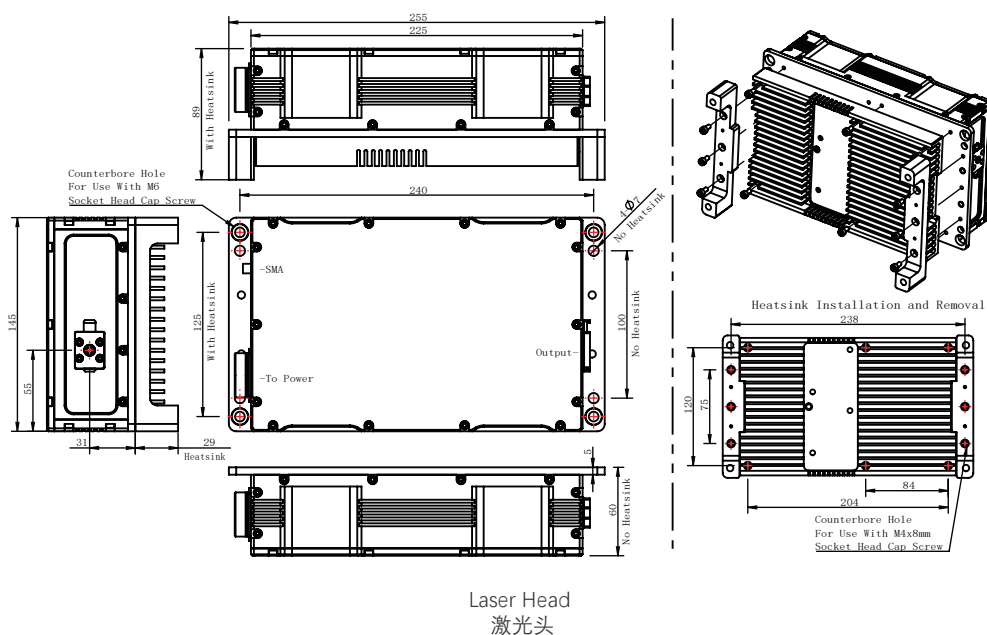
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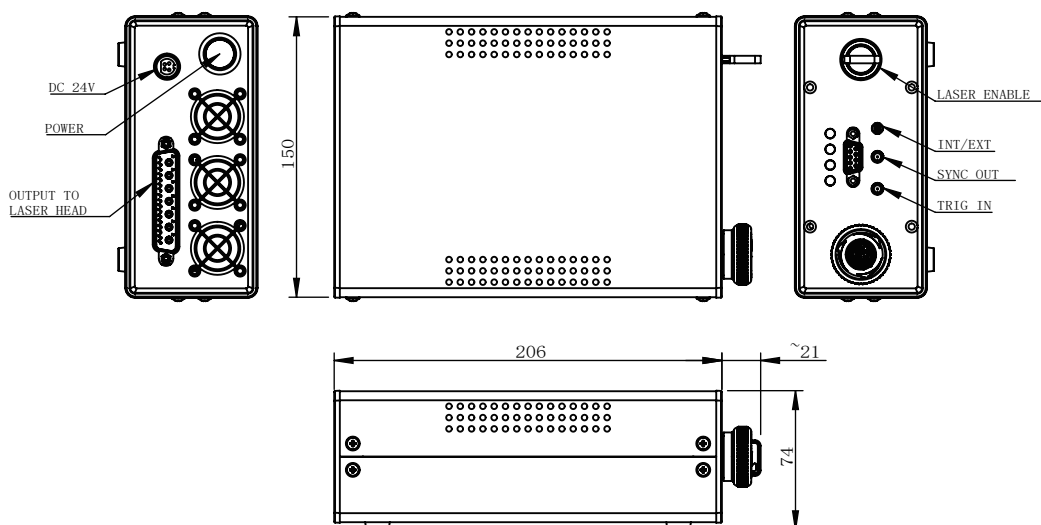
BlastQA系列主动调Q激光器

- ◆ Energy: $\sim 3\text{mJ}$, Pulse Width: $\sim 1\text{ns}$
- ◆ Repetition Rate: $\sim 10\text{kHz}$
- ◆ Polarization Ratio $> 100:1$

Mechanical Drawings (in mm) 机械尺寸(单位: mm)



Laser Head
激光头



Driving Source
驱动源