

Blaze 200 Datasheet

Specification	Blaze-1064-30	Blaze-1064-50	Blaze-1064-80	Blaze-355-80	Blaze-532-120	Blaze-1064-200
Central Wavelength	1064 ± 0.5nm			355 ± 0.5nm	532 ± 0.5nm	1064 ± 0.5nm
Output Power	30W @ 100kHz	50W @ 100kHz 50W @ 50 kHz	80W @ Burst4 @ 20 kHz	80W @ 1MHz	120W @ 400kHz	200W @ 1MHz
Repetition Rate	1Hz - 1MHz			1Hz - 2MHz		
Pulse Energy	300μJ	500μJ @ Burst1 onemJ @ Bursttwo	fourmJ @ Burst4 @ 20kHz	80μJ	300μJ	200μJ @ 10ps / 500μJ @ 20ps
Power Stability	< 1.0% (8 hours, RMS)			< 2% (8 hours, RMS)	< 1.5% (8 hours, RMS)	< 1.0% (8 hours, RMS)
Pulse Duration	- 10ps		- 15ps			- 10ps
Beam Quality	TEM ₀₀ , M ² ≤1.3					
Beam Roundness	> 90%					
Beam Diameter	3.0 ± 0.5mm			2.0 ± 0.5mm		3.0 ± 0.5mm
Burst Pulse Number	1 - 5		5 - 6	1	1 - 3	1 - 10
Dimensions	800 x 364 x 140mm			800 x 420 x 139.5mm		
Trigger Mode	PSO / POD / Gate mode, and TTL trigger					
External Power Control	0 - 5V, linear control					
Warm-up Time	15 min					
Power Supply	AC100 - 240V / 50 - 60Hz					
Operating Humidity	< 60% RH @ 25 °C					
Operating Temperature	22 - 30 °C					
Cooling Method	Water circulation cooling					