

Blaze 80 Datasheet

Specification	Blaze-355-30	Blaze-355-60	Blaze-532-30	Blaze-532-80
Central Wavelength	355 ± 0.5nm		532 ± 0.5nm	
Output Power	30W @ 1MHz	60W @ 2MHz	30W @ 100 kHz	80W @ 400 kHz
Repetition Rate	1Hz - 6MHz		1Hz - 2MHz	
Pulse Energy	30μJ		300μJ	200μJ
Power Stability	< 1% (8 hours, RMS)		< 1.5% (8 hours, RMS)	
Pulse Duration	- 7ps			
Beam Quality	TEM ₀₀ , M ² ≤1.3		TEM ₀₀ , M ² ≤1.2	
Beam Roundness	> 90%			
Beam Diameter	3.0 ± 0.5mm		1.5 ± 0.5mm	
Burst Pulse Number	1		1 - 3	
Dimensions	800 x 364 x 140mm			
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			