

Blaze 15 Datasheet

Specification	Blaze-1064-15	Blaze-532-8	Blaze-355-5
Central Wavelength	1064 ± 0.5nm	532 ± 0.5nm	355 ± 0.5nm
Output Power	15W @ 100kHz	8W @ 100kHz	5W @ 300kHz
Repetition Rate	1Hz - 1MHz		1Hz - 2MHz
Pulse Energy	150μJ	80μJ	15μJ
Power Stability	< 1.0% (8 hours, RMS)	< 1.5% (8 hours, RMS)	< 2.0% (8 hours, RMS)
Pulse Duration	- 10ps	- 7ps	
Beam Quality	TEM ₀₀ , M ² ≤1.3	TEM ₀₀ , M ² ≤1.2	
Beam Roundness	> 90%		
Beam Diameter	2.0 ± 0.5mm	1.5 ± 0.5mm	2.0 ± 0.5mm
Burst Pulse Number	1-5	1-3	1
Dimensions	600 x 288 x 132.5mm		
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		