

Orion 20 Datasheet

Specification	Orion-343-5-ND	Orion-515-10-ND	Orion-515-20-ND	Orion-1030-20-ND	Orion-1030-40-ND
Central Wavelength	343 ± 3nm	515 ± 3nm		1030 ± 5nm	
Output Power	5W @ 1000kHz	10W @ 200kHz	20W @ 1000kHz	20W @ 200kHz	40W @ 1000kHz
Repetition Rate	1Hz - 2MHz				
Pulse Energy	5μJ	50μJ	20μJ	100μJ	40μJ
Power Stability	< 1.0% (8 hours, RMS)				
Pulse Duration	< 400fs	< 200fs		< 240fs	
Beam Quality	TEM ₀₀ , M ² ≤1.2				
Beam Roundness	> 90%				
Beam Diameter	2.0 ± 0.5mm			3.0 ± 0.5mm	
Burst Pulse Number	1	1 - 3		1 - 10	
Dimensions	660 x 337 x 150.5mm				
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				