Hyperline

Spinel-C3 Series Femtosecond Laser Spinel-C3-R75/R100/RE15/RE20

Product Specifications

Product Name	Femtosecond Laser
型号 Model	Spinel-C3-R75 Spine-C3-R100 Spine-C3-RE15 Spinel-C3-RE20



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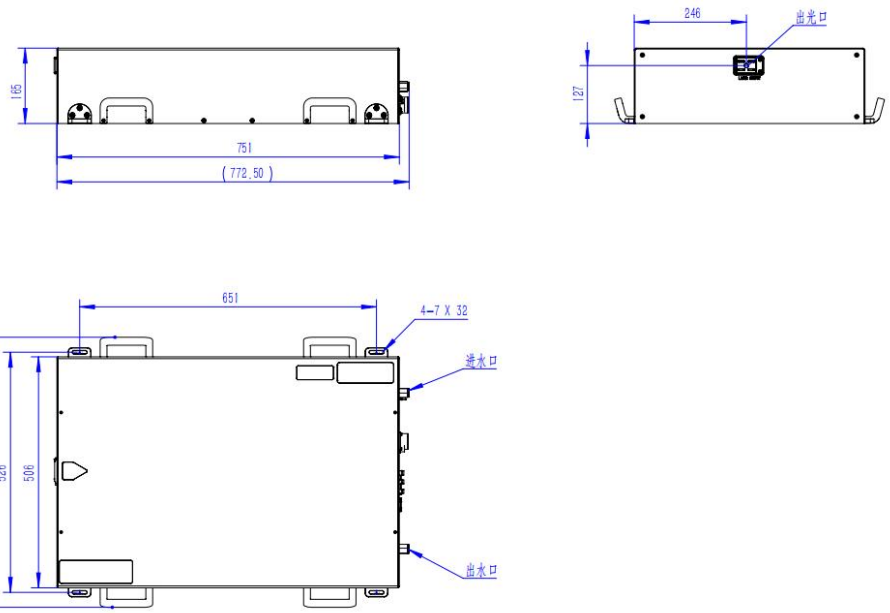
1. Specifications

Model	Spinel-C3-R75	Spinel-C3-R100	Spinel-C3-RE15	Spinel-C3-RE20
Wavelength	1030nm			
Base repetition rate	100kHz	100kHz	50kHz	50kHz
Pulse repetition rate	1kHz – 1000kHz			
Pulse Duration	<550fs			
Average Power	>75W@100kHz	>100W@100kHz	>75W@50kHz	>100W@50kHz
Maximum Pulse Energy	>750μJ @100kHz	>1mJ @100kHz	>1.5mJ @50kHz 4burst	>2mJ @50kHz 4burst
Average Power Stability	<1.0%rms over 8hours			
Pulse-to-Pulse instability	<1.5% rms			
Burst Mode	2-5 pulse selectable		4-5 pulse selectable	
Beam Quality	M^2 <1.30			
Beam Divergence	<2mrad (Full Angle)			
$1/e^2$ Beam Diameter	3.0± 0.5 mm(@output windows 50cm)			
Beam Roundness	>90%			
Pointing stability	<50.0μrad			
Polarization Direction	Vertical			
Polarization Ratio	>100:1			
Cooling	Water-cooling (20℃)			
Ambient Temperature	20 – 30℃			
Relative humidity	10%-80% (non-condensing)			
Warm-up Time	<20 min			
Operating Voltage	110 – 260V/AC			
External Trigger	GATE、TRIG、POD			
Laser head weight	<70kg			
Rated power	<3000VA			

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2. Mechanical Schematic

(1) Laser Head Dimensions (mm)



(2) Power Supply Dimensions (mm)

