RFH LASER

NANO UV LASER

D9-355 Series

3W/5W/10W

Nanosecond UV Laser

Laser wavelength	Pulse Width	Pulse-to-Pulse Stability
354.7nm	<15ns	<2% rms

Application

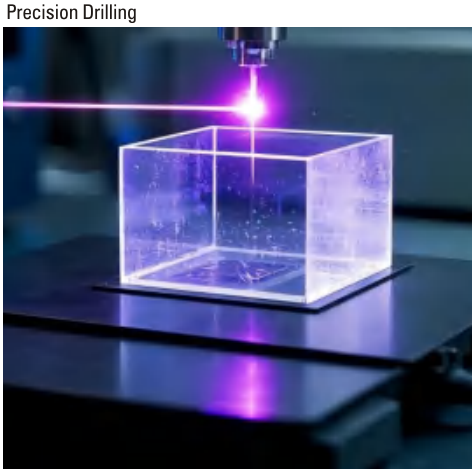
This type of laser is designed specifically for marking, precision cutting, precision drilling, laser wire stripping, and glass engraving.

PARAMETER	INDEX	DESCRIPTION
Laser wavelength	354.7nm	
Average Output Power	3W/5W/10W	@30kHz
Pulse Width	<15ns	@30kHz
Pulse Repetition Rate	20-200kHz	
Spatial Mode	TEM00	
M^2	<1.2	
Beam Diameter	0.8±0.1mm	Measured at window
Beam Full Divergence Angle	<1.5mrad	
Beam Circularity	>90%	
Pulse-to-Pulse Stability	<2%	RMS/@30kHz
Average Power Stability	<3%	RMS/8hr
Beam-Pointing Drift	<25μrad/℃	
Polarization Ratio	>100:1	
Polarization Orientation	Horizontal	
Operating Temp. & RH	10-30℃	
	<80%	
Storage Temp. & RH	-20℃ to 65℃	
	<90%	
Electricity Requirement	100-240VAC	Single phase
	50/60Hz	
Power Consumption	<500W	

Laser power and other characteristics can be optimized in different repetition frequency ranges;
The temperature referred to is the ambient temperature.

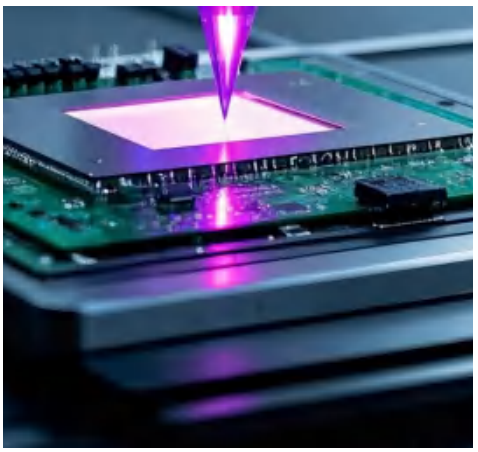
- Laser wavelength at 354.7mm, repetition rates cover a wide range (20kHz to 200kHz), laser power covers a range of 3W/5W/10W;
- Exceptional beam quality (M^2<1.2)， absolutely assured in all repetition rates; relatively short pulse width <15ns@30K with little heat affected zone (HAZ);
- Unique Q-switching technology, adapts a variety of control requirements of laser applications; longer laser lifespan and more stable operation;
- All-digital intelligent power control technology, easy to operate and convenient to monitor;
- Support computer communication and external control of the laser via RS232;
- All-in-one design, convenient for equipment integration.

Precision Drilling



Glass Engraving

Marking



RFH LASER 瑞丰恒激光

SHENZHEN RFH LASER TECHNOLOGY CO., LTD.
Add: 2nd Floor, Building M10, Central District, High-techIndustrial Park, Nanshan District, Shenzhen
Tel: +86-755-86375012 Fax: +86-755-86028961
Email: sales@rfhlasertech.com Http://www.rfhlasertech.com Service Hotline: +86-755-86375012

瑞丰恒公众号 RFH-Laser