

NANO UV LASER
S9-Y-355 Series

1.5W-10W

Nanosecond UV Laser



Laser wavelength

354.7nm

Pulse Width

<12ns

Pulse-to-Pulse Stability

<2% rms

Application

Products of this series are specifically designed for laser marking machine, high precision cutting machine, high precision drilling machine, laser wire stripping machine, glass inner engraving machine, paint peeling equipment and so on.

PARAMETER	INDEX	DESCRIPTION
Laser wavelength	354.7nm	
Average Output Power	3W-10W	@30kHz
Pulse Width	<12ns	@30kHz
Pulse Repetition Rate	10-200kHz	
Spatial Mode	TEM00	
M^2	<1.2	
Beam Diameter	0.8±0.2mm	Measured at window
Beam Full Divergence Angle	<2mrad	
Beam Circularity	>90%	
Pulse-to-Pulse Stability	<2%	RMS/@30kHz
Average Power Stability	<3%	RMS/8hr
Beam-Pointing Drift	<30µrad/°C	
Polarization Ratio	>100:1	
Polarization Orientation	Horizontal	
Operating Temp. & RH	10°C to 35°C	
	<80%	
Storage Temp. & RH	-20°C to 65°C	
	<90%	
Electricity Requirement	100-240VAC	
	50/60Hz	
Power Consumption	<500W	Single phase

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 1.5W-10W;



Exceptional beam quality ($M^2 < 1.2$), absolutely assured in all repetition rates; relatively short pulse width <12ns@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;



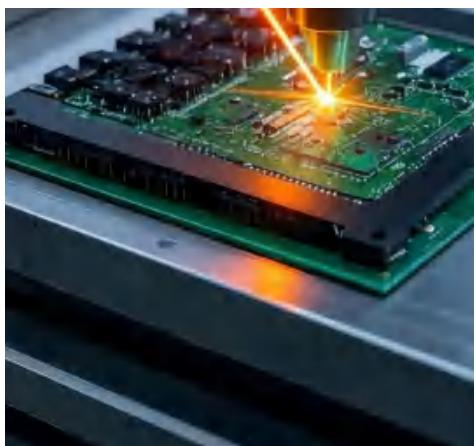
Support computer communication and external control of the laser via RS232;



All-in-one design, convenient for equipment integration.



Glass Engraving



Precision Cutting



Precision Drilling



Marking



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