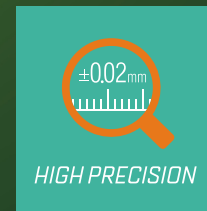
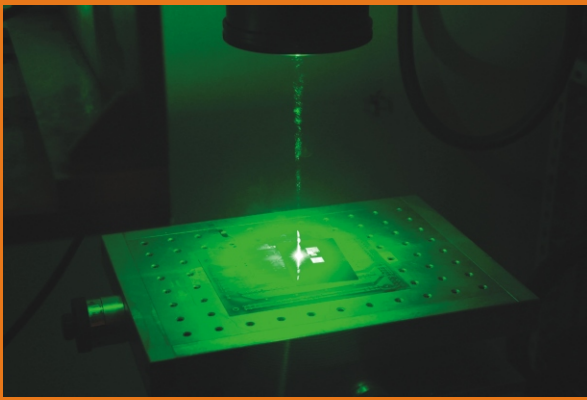


NANO GREEN LASER

Expert III 532 series 35W Green Laser



Expert III 532 series green DPSS laser, developed and produced by RFH, 35w in laser power with short pulse width ($<25\text{ns}@50\text{K}$), superior beam quality ($M^2 < 1.2$) and perfect laser spot quality (beam circularity $> 90\%$).



FEATURES

- Laser wavelength at 532nm, repetition rates cover a wide range(single pulse to 200kHz) ;
- Exceptional beam quality ($M^2 < 1.3$) , absolutely assured in all repetition rates;
relatively short pulse width $< 35\text{ns}@30\text{K}$ with little heat transfer to surrounding material;
Perfect beam spot quality(Beam Circularity $>90\%$) ;
- Unique Q-switching technology, adapts a variety of control requirements of laser applications;
- Online refreshment for harmonic coupling technology; Excellent long term power stability ;
- Digital control technology for the driver, enables user to command through RS232 ;
- This laser adopts one - style design with compact and reasonable structure, easy installation.

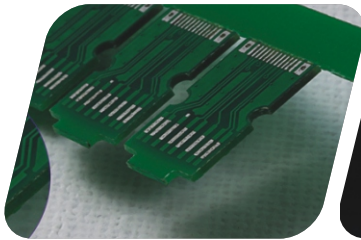
PARAMETER

PARAMETER	INDEX	DESCRIPTION
Laser wavelength	532nm	
Average Output Power	35W	@50kHz
Pulse Width	<25ns	@50kHz
Pulse Repetition Rate	10-200kHz	
Spatial Mode	TEM00	
M^2	<1.2	
Beam Diameter	1.0±0.2mm	Measured at window
Beam Full Divergence Angle	<1.2mrad	
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	单相Single phase
	50/60Hz	
Power Consumption	<500W	
Warranty	18 months	

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

Application

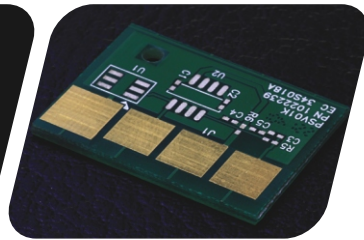
It is perfect for glass marking, thin film etching and surface treatment for most of the metals and non-metal materials, such as removing the oxide layer from the metal surface.



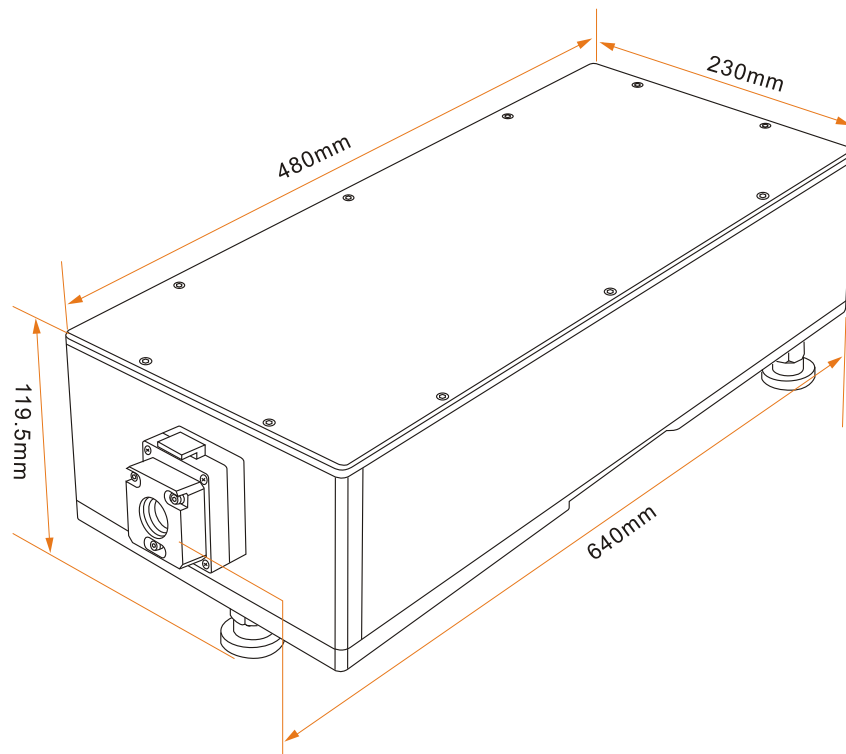
PCB marking



Glass bottle



PCB marking



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