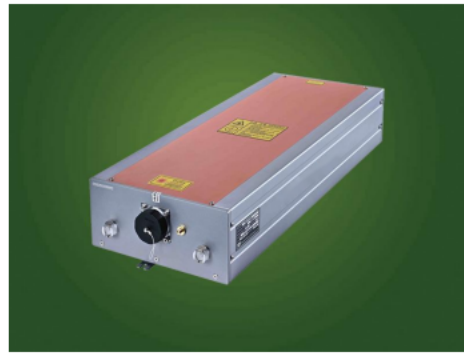
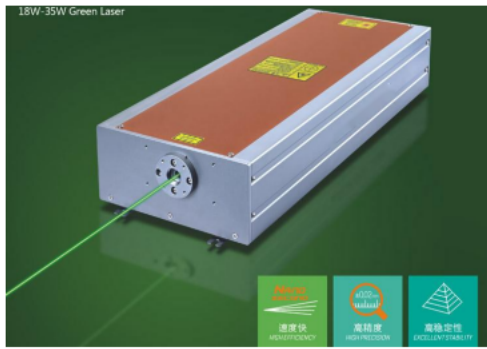




532 Integrated Green Laser-35W



The product description

covers 18w-35w in laser power with short pulse width ($<7-8\text{ns}@40\text{K}$), superior beam quality ($M^2 < 1.2$) and perfect laser spot quality (beam circularity $>90\%$). It is particularly suitable for drilling and scribing in ceramics, marking, cutting and drilling in glass & wafer and surface treatment in most of the metal and non-metal materials.

Characteristics of laser

1. 532nm output wavelength, 10 to 200 Hz repetition rate; laser power is 18w-35W; Continuous tuning of repetition rate while maintaining constant pulse energy, superior beam pointing and energy stability make the Excellent first choice for micromachining, marking and thin film removal applications

2. Exceptional beam quality ($M^2 < 1.2$), absolutely assured in all repetition rates; relatively short pulse width $<7-8\text{ns}@40\text{K}$ with little heat transfer to surrounding material; perfect beam spot quality (Beam Circularity $>90\%$)

Close to Gaussian smooth beam profile with low value $M^2 < 1.2$ and good focusability are beneficial for applications such as

3. Unique Q-switching technology, adapts a variety of control requirements of laser applications; Online refreshment for harmonic coupling technology; Excellent long term power stability Rugged sealed cavity, Extremely compact size, Simple and robust

4. Digital control technology for the driver, RS232 control interface ensures easy control and integration with laser marking equipment

5. This laser adopts one - style design with compact and reasonable structure, easy installation.

Easy to transport and saves space due to compact and light design



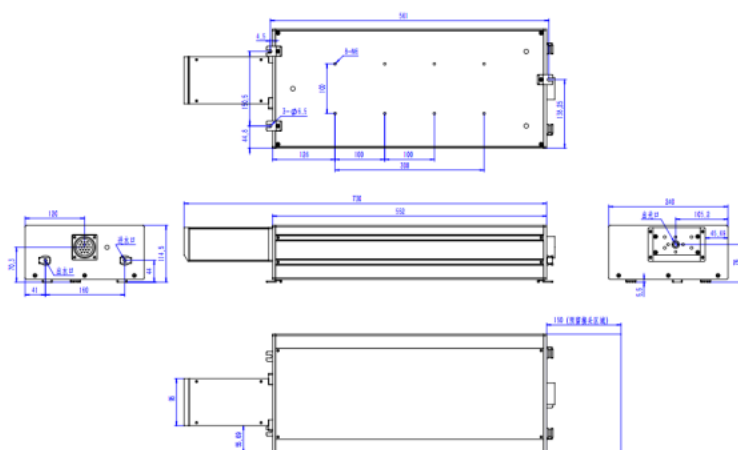
Water cooling , cost-effective and reliable end-pumping technology and amplifier-free DPSS design guarantee easy operation and alignment simple installation and low maintenance costs

6.Industrial production process control technology,provides quality stable products.

Technical indicators

Model No.	GT-R532-35W-2	
Laser wavelength,nm	532	instructions
Average Output Power,W	>35	@40kHz
Pulse Width,ns	<15	@40kHz
Pulse Repetition Rate,kHz	20-200	
Spatial Mode	TEM ₀₀	
(M2)	<1.2	
Beam Diameter,mm	1.0±0.2	Measured at window
Beam Full Divergence Angle,mrad	<1.5	
Beam Circularity,%	>90	
Pulse-to-Pulse Stability,%	<2	RMS/@40kHz
Average Power Stability,%	<5	RMS/8hr
Beam-Pointing Drift,μrad/°C	<30	
Polarization Ratio	>100:1	
Polarization Orientation	Horizontal	
Operating Temp. & RH	10 to 30°C	
	<80%	
Storage Temp. & RH	-20 to 65°C	
	<90%	
Electricity Requirement	100-240 VAC	Single phase
	50/60Hz	
Power Consumption	<800W	

Structure size





RFH LASER Navigator V1.0

RFH LaserDriver Monitor

Operating Parameters	Setting	Real
LD Current(A):	5	5.00
LD Temperature(C):	25	25.00
SHG Temperature(C):	65	65.00
THG Temperature(C):	65	65.00
FAN Temperature(C):	25	0

Send

COM	LDD	QSWT	SHUTTER	FAULT	STATE	LBO	READY
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

COM	LDD	QSWT	SHUTTER	RESET	START
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

TEC Current	
LD I TEC(A):	1.65
SHG I TEC(A):	1.01
FAN I TEC(A):	0
THG I TEC(A):	1.25

Modify parameter	
Save	Unlock

Others Status	
Laser Power Version:	V1.1.01
Laser Power SN:	rfhrfhrfhrf
Error Code:	00
Warning Code:	0
LBO Point Number:	0
LBO Running Time(M):	0
LD Running Time(H):	35.9167

Detailed

Environment Status	
Plate Temp(C)	25.44
Env Temp(C)	24.65
Humidity(%)	0

Laser Power	
0	W

Q Switch Setting	
Laser Mode:	CW <input type="checkbox"/>
Trigger Mode:	Int <input type="checkbox"/>
FPS Signal:	On <input type="checkbox"/>
Gate Input:	Int <input type="checkbox"/>
FPS Input:	Int <input type="checkbox"/>
External Start:	Off <input type="checkbox"/>

Send

Q Switch More Setting	
RF Trs(us)	200
RF FPS Start(V)	5
RF Low Pow(V)	0
Rf Td Time(us)	1
RF Off Time(us)	1
RF On Time(us)	19
Int PRF(KHz)	50

Send