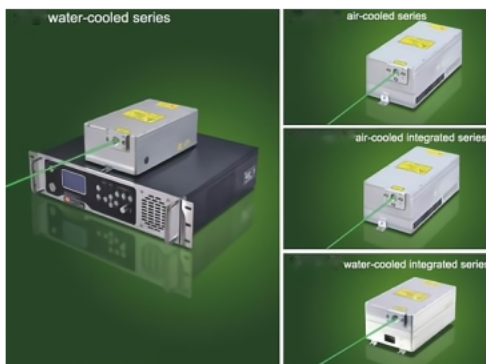




532 Green Laser-10W



The product description

Covers 5w/10w in laser power with short pulse width ($<14\text{ns}@30\text{K}$), 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.

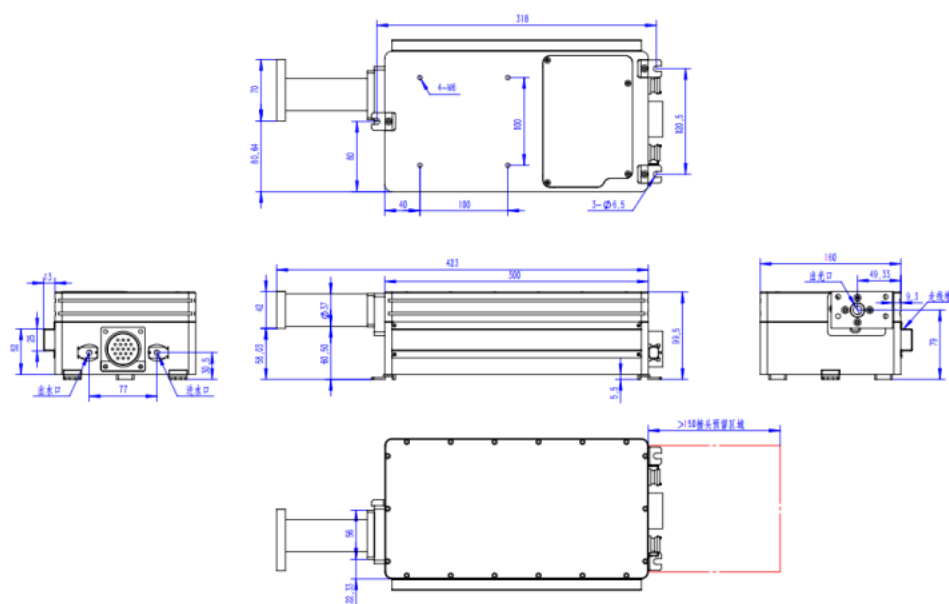
Characteristics of laser

1. 532nm output wavelength, 10 to 200 Hz repetition rate; laser power is 5w/10W; 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 $<14\text{ns}@30\text{K}$ 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-R532-10W	
Laser wavelength,nm	532	instructions
Average Output Power,W	>10	@30kHz
Pulse Width,ns	<10	@30kHz
Pulse Repetition Rate,kHz	20-200	
Spatial Mode	TEM ₀₀	
(M2)	<1.2	
Beam Diameter,mm	0.8±0.1	Measured at window
Beam Full Divergence Angle,mrad	<1.2	
Beam Circularity,%	>90	
Pulse-to-Pulse Stability,%	<2	RMS/@30kHz
Average Power Stability,%	<5	RMS/8hr
Beam-Pointing Drift,μrad/°C	<30	
Polarization Ratio	>100:1	
Polarization Orientation	Vertical	
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	<500W	

Structure size





Erbium group
To create laser miracles

<https://www.erbiumtechnology.com>

Full-digital display, supporting communication with computer, capable of laser's remote control

RFH LASER Navigator V1.0

RFH LaserDriver Monitor

Operating Parameters			COM	LDD	QSWT	SHUTTER	FAULT	STATE	LBO	READY
LD Current(A) :	Setting: 5	Real: 5.00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LD Temperature(C) :	Setting: 25	Real: 25.00	COM	LDD	QSWT	SHUTTER	RESET	START		
SHG Temperature(C) :	Setting: 65	Real: 65.00	TEC Current			Modify parameter				
THG Temperature(C) :	Setting: 65	Real: 65.00	LD I TEC(A) : 1.65			Save				
FAN Temperature(C) :	Setting: 25	Real: 0	SHG I TEC(A) : 1.01			Unlock				
			FAN I TEC(A) : 0							
			THG I TEC(A) : 1.25							

Others Status		Environment Status		Q Switch Setting		
Laser Power Version :	V1.1.01	Plate Temp(C)	Env Temp(C)	Laser Mode :	CW <input type="checkbox"/>	
Laser Power SN :	rfhrfhrfhrf	25.44	24.65	Trigger Mode :	Int <input type="checkbox"/>	
Error Code :	00	Humidity(%)		FPS Signal :	On <input type="checkbox"/>	
Warning Code :	0			Gate Input :	Int <input type="checkbox"/>	
LBO Point Number :	0	FPS Input :				Int <input type="checkbox"/>
LBO Running Time(M) :	0	External Start :				Off <input type="checkbox"/>
LD Running Time(H) :	35.9167					Send

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

Send