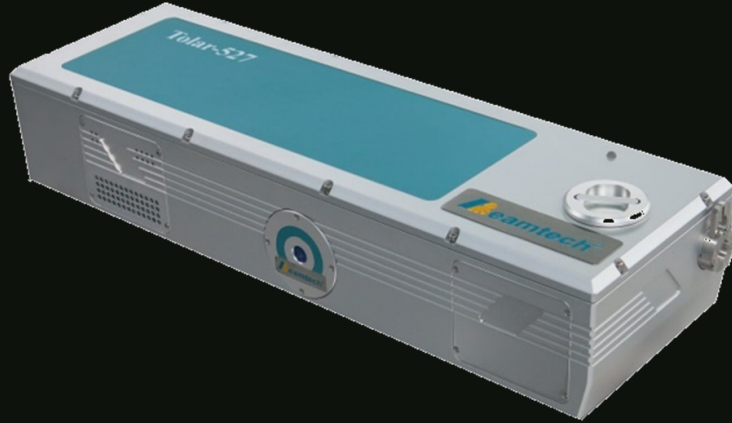
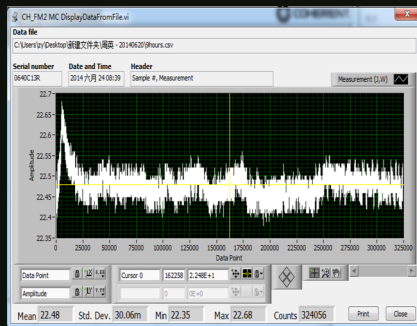


Tolar Series

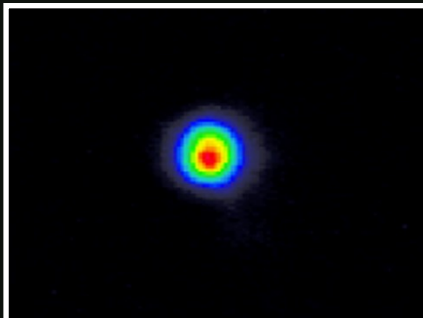
--- DPSS High Frequency Laser Source



Tolar series is a DPSS high frequency light source for various scientific research, industrial and military applications. Beamtech has developed this series since 2005 and delivered more than 10 units in China. By using high quality Nd:YLF crystal and Q switch technology, Tolar series lasers offer high energy up to 30mJ at 1kHz, with pulse duration of 200ns. The dual pulsed laser version designed specifically for TR-PIV is also available



Stability Test (9 hours)



Beam Profile

Features

- Frequency continuously adjustable from 0.2-10kHz
- Optical fiber coupler optional
- Good beam quality
- Stable performance after long time operation
- External and internal triggering
- Rugged industrial design
- Low timing jitter
- Touch screen and easy to use

Applications

- Pump Ti: Sapphire
- TR-PIV
- LIDAR

Beamtech Optronics Co.,Ltd.

4F, Science and Technology Bldg.,
No.10 Hongfu Industrial Park, Beiqijia Town,
Changping District, Beijing, China. 102209
Tel: 010-84945016/17/18/19 Fax: 010-84945020
Http://www.beamtech-laser.com
Email: sales@beamtech-laser.com



Specifications

Model	Tolar-527-20	Tolar-527-25	Tolar-527-30
Wavelength:	527 nm		
Frequency:	0.2~10 kHz adjustable		
Pulse Energy:	≥ 20 mJ @1 kHz	≥ 25 mJ @1 kHz	≥ 30 mJ @1 kHz
Divergence:	≤5 mrad	≤5 mrad	≤5 mrad
Energy Stability (RMS):	≤1 %	≤1 %	≤1 %
Power Drift (8 h):	≤1%	≤1%	≤1%
Pulse Duration:	~ 220 ns	~ 220 ns	~ 220 ns
Jitter (RMS)	≤ 3 ns		

Dimensions

Size (L×W×H)	Laser Head	690 mm×215 mm×132 mm
	Power Supply	555 mm×483 mm×177 mm
	Chiller	646 mm×384 mm×631 mm
Weight	Laser Head	35 kg
	Power Supply	20 kg
	Chiller	55 kg
Electrical Service		220 V-50/60 Hz-10 A
Temperature	Operating Temperature	10-30 °C
	Storage Temperature	5-50 °C
Power Length		1.8 m
Umbilical Length		3 m

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