



Features

- Compact design
- 1064nm, 532nm, and 355nm available
- Repetition rate: up to 200Hz
- Modes: Single, Continuous, Burst available
- Excellent beam quality, TEM₀₀ mode
- Real-time pulse monitoring
- Easy-to-use PC software

Diode-pumped short-pulse passively Q-switched solid-state laser

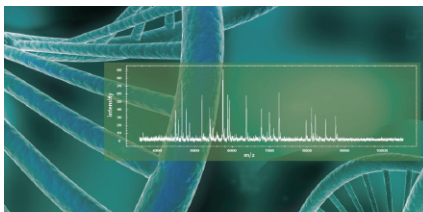
The Locmar series is a LD pumped passive Q-switched short pulse solid state laser, single pulse energy up to 300uJ@1064nm and pulse width about 2ns. The laser uses air cooling or conduction heat dissipation, no water. This series of products are mainly used in MALDI-TOF mass spectrometry, LIDAR, LIBS and other applications.

Locmar's compact design allows it to be mounted at any angle, making it ideal for OEM customers' system integration. In addition, the design of photoelectric separation, and the fixed optical components ensure the long-term stability.

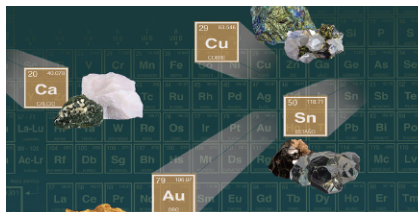
Applications

- MALDI-TOF-MS
- LIBS
- LIDAR

All images from customers and website



MALDI-TOF-MS



LIBS



LIDAR



Beamtech Optronics Co.,Ltd.
Http://www.beamtech-laser.com
Head Office
15566 Buena Vista Ave, White Rock, BC V4B 1Z2, Canada
phone: 604-960-1429
Email: beamtech@shaw.ca

Manufacture&Technology Center
Building B, Hongfu Technology Park,
Changping Beijing, China 102209
Tel: 010-84945016/17/18/19
Fax: 010-84945020

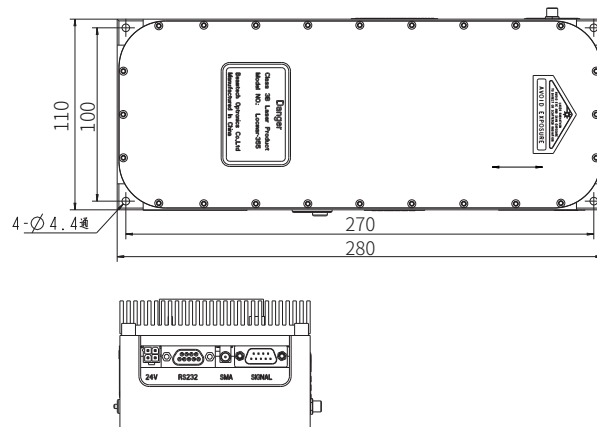
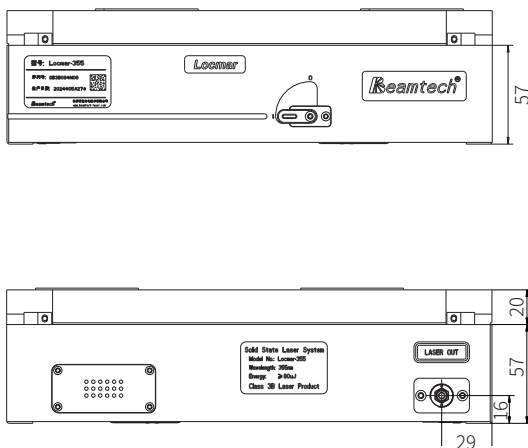


Specifications

| Model | Locmar-1064 | Locmar-532 | Locmar-355 |
|--|--------------------------|------------|------------|
| Wavelength | 1064nm | 532nm | 355nm |
| Pulse energy | 300μJ | 120μJ | 80μJ |
| Energy stability ^{RMS 1} (PTP) ² | <1%(±5%) | <1.5%(±5%) | <2%(±5%) |
| Repetition rate | ≤200Hz | | |
| Pulse width ³ | <3ns | | |
| Laser mode | TEM ₀₀ | | |
| M ² | ≤1.5 | | |
| Beam diameter ⁴ | 500μm | 500μm | 500μm |
| warming time | 5min | | |
| Supply voltage | DC24V | | |
| Cable length | 80cm | | |
| Communication | RS232 & GUI software | | |
| Operation condition | 15°C-35°C, humidity≤60% | | |
| Storage condition | -20°C-45°C, humidity≤60% | | |

1. RMS: Dev. to average 2. PTP: (MAX-MIN)/(MAX+MIN) 3. Full width half max (FWHM) 4. 10cm from the laser outlet

Dimensions



Locmar