

# Lapa-80

## --- Real Portable Nanosecond Laser Source



Lapa series laser is a real nanosecond torch-like laser for your scientific research, industrial and military application. With diode pumped and air-cooling technologies, compact Lapa-80 laser can offer high frequency up to 20 Hz, high power to 80 mJ at fundamental wavelength with pulse duration short to 10 ns. Compared with other numbers, Lapa laser is small footprint without water cooling.

### Features

- Diode pumped
- Long life time to 1 billion shots
- Air cooling without maintenance
- EO-Q switched with accurate timing
- Portable design and easy to assemble
- Suitable for outdoor applications
- Energy up to 80 mJ

### Applications

- Mobile LIDAR
- Portable LIBS
- Photoacoustic Tomography
- LCD Repair
- Mass spectrograph
- Laser Spark Plug



*Power Supply*

### Beamtech Optronics Co.,Ltd.

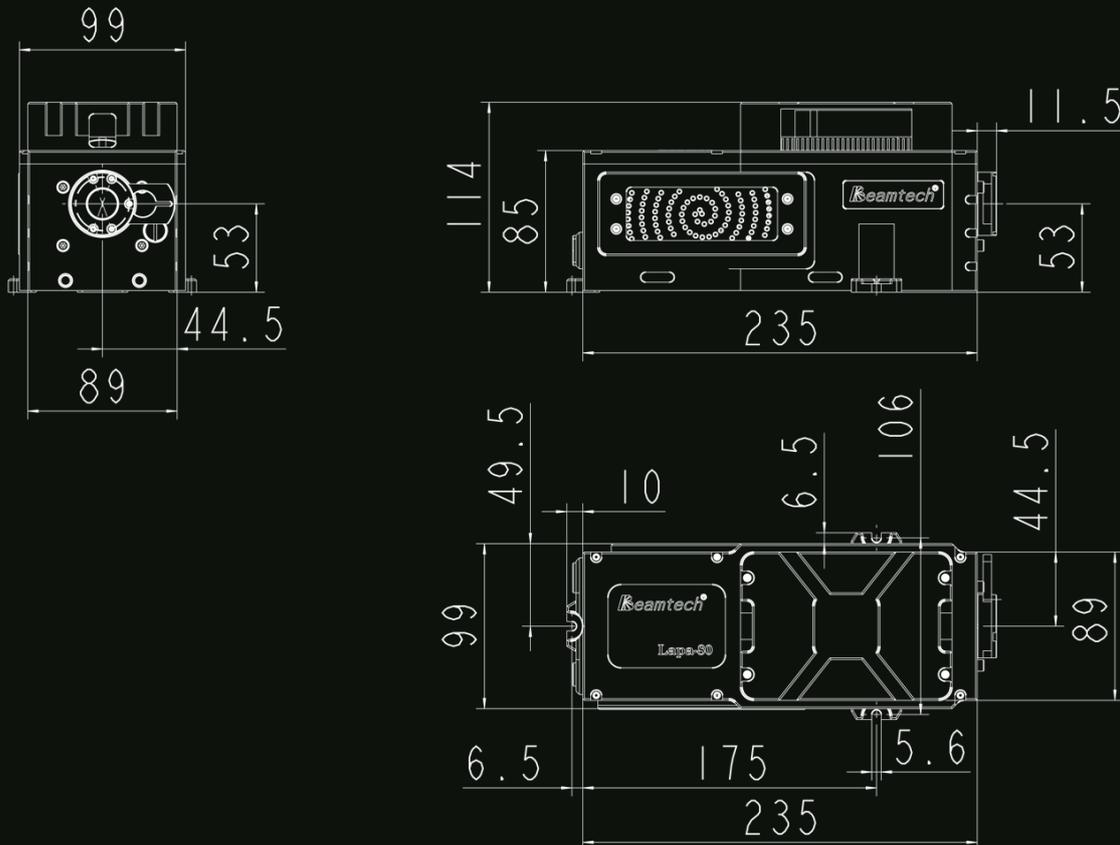
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## Specifications

Models	Lapa-mini	Lapa-05	Lapa-20	Lapa-80
Repetition Rate	1 kHz	1-200 Hz	200 Hz	20 Hz
Energy:1064nm	1 mJ	5 mJ	20 mJ	80 mJ
532nm	0.4 mJ	2 mJ	12 mJ	50 mJ
355nm	N.A.	0.5 mJ	5 mJ	10 mJ
266nm	N.A.	N.A.	3 mJ	10 mJ
Pulse Duration	15 ns	10 ns	10 ns	10 ns
Power Stability (RMS)	~ 1%	~ 0.5%	~ 0.5%	~ 0.5 %
Divergence	≤3 mrad	≤3 mrad	≤3 mrad	~ 2 mrad
Energy Step	50 μJ	50 μJ	50 μJ	100 μJ
Jitter (ns)	≤ 1	≤ 1	≤ 1	≤ 1
Status	N.A	N.A	N.A	Available

## Dimensions



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