

Pulsed DUV/UV Fiber Laser

Short pulse width with high repetition for sensing

Features

- ✓ Compact (portable)
- ✓ High peak power
- ✓ High repetition rate
- ✓ Compatible design

DUV



Based on PP-Mg:SLT/BBO

UV

Based on PP-Mg:SLT/PP-LBGO



Application

- ✓ Raman spectroscopy
- ✓ Aerosol detection
- ✓ Sensing (LIDAR)
- ✓ PEEM

Specification (Preliminary @25°C)

Model	DUV	UV (High power)
Mode of operation	Pulsed	Pulsed
Wavelength	266 nm	355 nm
Pulse energy	~ 3.0 μJ	~ 3.0 μJ
Peak power	~ 3.0 kW	~ 3.0 kW
Average power	~ 200 mW	~ 200 mW
Power tunability		20-100%
Output Type		Free space
Pulse repetition rate		50 kHz
Pulse duration	~ 1 ns	~ 1 ns
Polarization	Linear (Horizontal)	Linear (Vertical)
Beam Quality	Elliptical	Circular
Fiber laser size	120 (W) x 27 (H) x 120 (L) mm ³	
Convertor size	40 (W) x 40 (H) x 138 (L) mm ³	40 (W) x 40 (H) x 128 (L) mm ³

Option

- Collimated output
- Other Wavelength
- Customized packages, OEM
- Multi wavelength output

Above products are based on results obtained from a project commissioned by the New Energy and Industrial Technology Development Organization (NEDO).

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