



Diode Pumped Solid State Laser

LQ-527-12

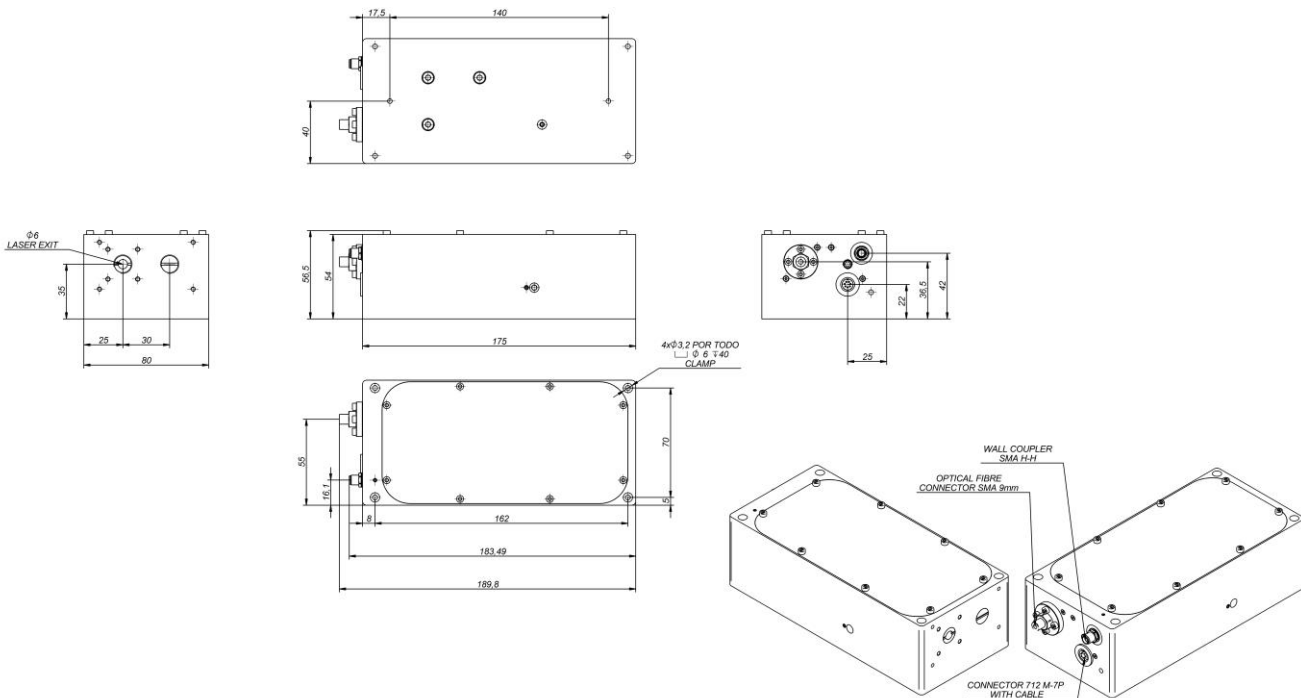
Features:

- Diode Pumped Solid State Laser for retina regeneration
- Short laser pulses of 1.7 μ s with up to 1 mJ
- Wavelength: 527 nm

Suitable for:

- Material processing
- LIBS/RAMAR Spectroscopy
- LIDAR & WIND LIDAR

LQ-527-12 I outline



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Version: 1.0.0.0

Product specification are subject to change without notice.

For complete details, please contact your local MONOCROM sales representative.

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LQ-527-12 | TECH Specifications

Laser Head	
Wavelength [nm]	527
Pulse energy [μ J]	1000
Pulse-to-pulse energy stability [%]	95
Pulse width (FWHM) [μ s]	1.7
Effective pulse duration [μ s]	1.8
Repetition rate [Hz]	up to 200
Amplitude variation, typical (P_{end}/P_{peak}) [%]	50
Ripple within one pulse ⁽¹⁾ [%]	10
Fluctuation of the ratio [%]	10
Output beam centering ⁽²⁾ [mm]	0.5
Beam quality [M^2]	1.5
Far field beam divergence [mrad]	5
Mechanics	
Operation temperature [°C]	non-condensing to 45
Laser body temperature [°C]	25
Stabilization time [s]	25
Laser beam point stability [μ rad]	50
Dimension [mm]	191 × 80 × 56.5
Laser Safety Classification	Class 4
Pumping LD not included. Suggested LD features: ENPMFCM90-007	
Wavelength [nm]	804
Current [A]	50
Voltage [V]	2
Pulse width [μ s]	800
Fiber core [μ m]	200
Fiber NA	0.22

1. From maximum amplitude
2. From the center of laser exit window

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UNE EN ISO 9001:2015

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