nLIGHT Narrow Linewidth Amplifier | NLA-LW

nLIGHT NLA-LW Specifications

Specification	NLA-LW-2.5
Optical	
Mode of Operation	CW
Typical Output Power[1]	2.5 kW
Electrical-to-Optical Efficiency	> 38%
Operating Wavelength Range	1040 – 1080 nm
Minimum Seed Linewidth	25 GHz (Input Polarization State Scrambled)
Electrical	
Supply Input Voltage	Nominal 100V (60-125 VDC)
Control Interface	Ethernet/RS-485
Mechanical	
Dimensions, W x D x H	20.2 x 12.4 x 2.19 in^3
Mass	< 7.0 kg
Cooling Method	Water, PGW/EGW (wetted Al only)
Fiber length and termination options	Contact nLIGHT for standard options
Environmental	
Inlet coolant temperature range[2]	15 – 40°C
Nominal Flow Rate	1.0 GPM

1. 40GHz under polarization control and with worst case input polarization. White Noise Source used to broaden MO linewidth.
2. Rated efficiency at 25°C nominal temperature. There is a power penalty of approximately 10% at 40°C

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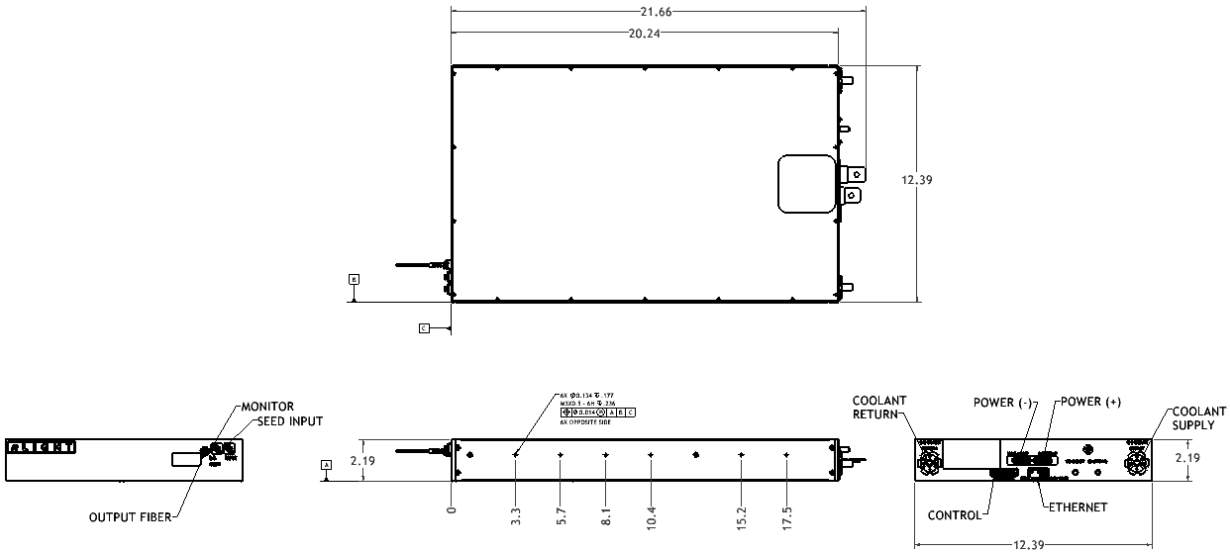

Laser Safety
This laser product does NOT comply with IEC 60825-1 or 21CFR1040.10/21CFR1040.11 and is solely intended to be integrated into a laser product certified by the Purchaser. The Purchaser acknowledges their product must comply with application regulations before it can be sold to an end user.

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