



**L3HARRIS™**  
FAST. FORWARD.

## AO-1010

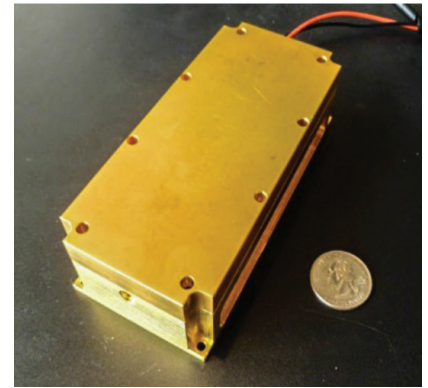
1 to 30 Hz, 7+ mJ, 6 ns

### AO-1010

#### Specifications

Wavelength	1535 nm
Laser Energy & Pulse Repetition Rate	10 Hz @ 10+ mJ 20 Hz @ 9+ mJ* 30 Hz @ 7+ mJ*
Laser Pulse Width	≈ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4σ method)	≈ 4.2 mrad
M <sup>2</sup>	≈ 1.7
Beam Wander	≤ 0.5 mrad
Laser Head Size (in inches)	1.4 in x 2.2 in x 5.0 in
Laser Head Size (in centimeters)	3.56 cm x 5.59 cm x 12.70 cm
Laser Head Weight	≈ 565 g
Laser Operational Temperature	-30 °C to + 50 °C
Laser Storage Temperature	-55 °C to + 90 °C
Electrical Requirements	12V, 85A
Conductive Cooling Requirements	< 110 W

\* Laser needs to be kept at +22 °C



The AO-1010 is an “eye-safe” 1.54 μm diode-pumped actively q-switched Erbium glass laser transmitter.

## ABOUT L3HARRIS

L3Harris is an ISO 9001:2015 certified full-service manufacturer of miniature eye-safe diode-pumped 1.54 $\mu$ m Erbium glass laser transmitters and specialty laser and filter glass material. These items are used in applications including laser range-finding, range gate imaging, Light Detection and Ranging (LIDAR), and Laser-Induced Breakdown Spectroscopy (LIBS).



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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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