



**L3HARRIS™**  
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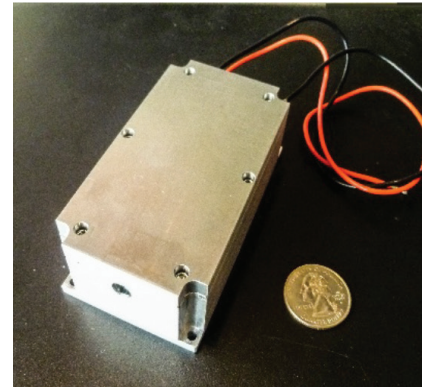
## AO-610

1 to 10 Hz, 6+ mJ, 6 ns

### AO-610

#### Specifications

Wavelength	1535 nm
Laser Energy	6+ mJ
Pulse Repetition Rate	1 to 10 Hz
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)	1.2 in x 2.0 in x 3.7 in
Laser Head Size (in centimeters)	3.05 cm x 5.08 cm x 9.39 cm
Laser Head Weight	≈ 290 g
Laser Operational Temperature	-30 °C to +50 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	8 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 24 W



The AO-610 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).



### AO-610

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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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