



**1 to 10 Hz, 6+ mJ, 6 ns**

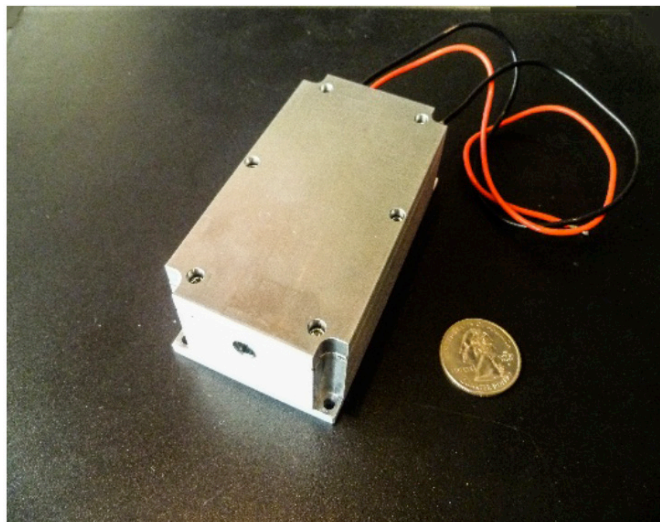
## ABOUT L3 KIGRE

L3 Kigre manufactures miniature “eye-safe” diode-pumped 1.54  $\mu\text{m}$  Erbium glass laser transmitters and specialty laser and filter glass materials optimized for use in microchip, microplate, fiber, waveguide and disk laser/ amplifier applications.

## PRODUCT OVERVIEW

L3’s AO-610 is an “eye-safe” 1.54  $\mu\text{m}$  diode-pumped actively q-switched Erbium glass laser transmitter.

***Leaders in Solid State  
Laser Components***



## SPECIFICATIONS

Wavelength	1535 nm
Laser Energy	6+ mJ
Pulse Repetition Rate	1 to 10 Hz
Laser Pulse Width	$\approx$ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4 $\sigma$ method)	$\approx$ 4.2 mrad
M <sup>2</sup>	$\approx$ 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	$\approx$ 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

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