



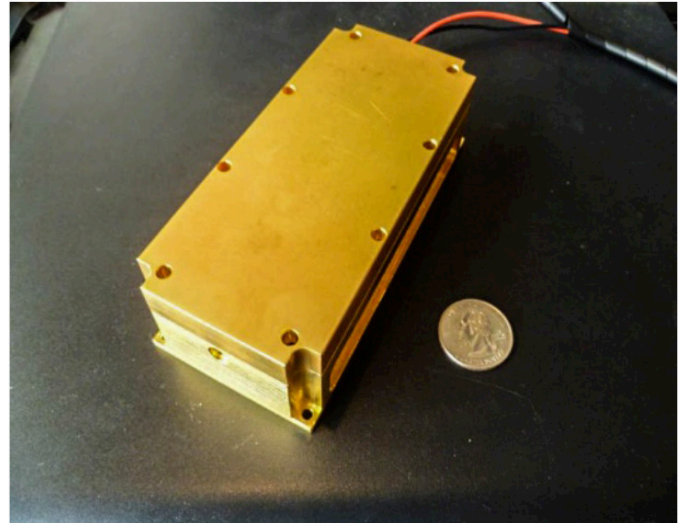
**1 to 30 Hz, 7+ mJ, 6 ns**

## 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-1010 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 & Pulse Repetition Rate	10 Hz @ 10+ mj 20 Hz @ 9+ mj* 30 Hz @ 7+ mj*
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	$\leq$ 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	$\approx$ 565 g
Laser Operational Temperature	-30 °C to +50 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	2 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 110 W
* Laser needs to be kept at +22 °C	

### **L3 Kigre, Inc.**

100 Marshland Road  
Hilton Head, SC 29926  
Tel: 843-681-5800  
Fax: 843-681-4559  
Email: info.kigre@L3T.com  
[www.L3T.com/Kigre](http://www.L3T.com/Kigre)

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