

**1 to 2 Hz, 0.8+ mJ, 6 ns**

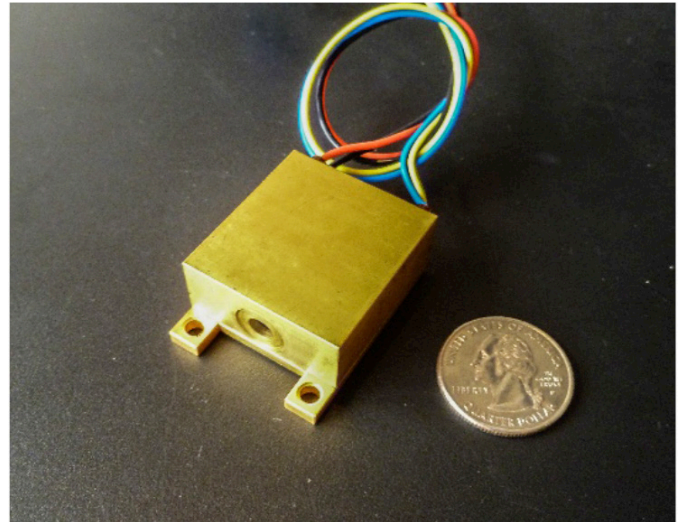
### **ABOUT L3 KIGRE**

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 MK-11 is an “eye-safe” 1.54  $\mu\text{m}$  diode-pumped passively q-switched Erbium glass laser transmitter with integrated photodiode.

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



### **SPECIFICATIONS**

Wavelength	1535 nm
Laser Energy	0.8+ mJ
Pulse Repetition Rate	1 to 2 Hz
Laser Pulse Width	$\approx$ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4 $\sigma$ method)	$\leq$ 6 mrad
M <sup>2</sup>	$\leq$ 2.5
Beam Wander	$\leq$ 0.5 mrad
Laser Head Size (in inches)	0.65 in. x 1.20 in. x 1.80 in.
Laser Head Size (in centimeters)	1.65 cm x 3.05 cm x 4.57 cm
Laser Head Weight	$\approx$ 100 g
Laser Operational Temperature	-40 °C to +71 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	2 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 1.2 W
Integrated Photodiode?	Yes

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