

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

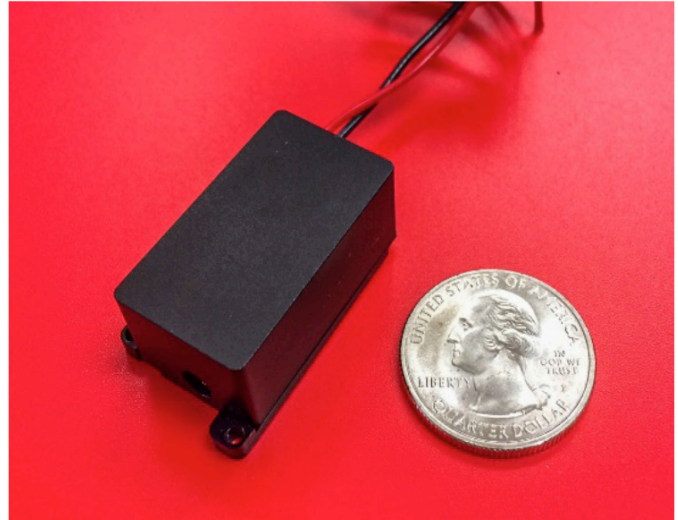
## ABOUT L3 KIGRE

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 JAM-11F is an “eye-safe” 1.54  $\mu\text{m}$  diode-pumped passively q-switched Erbium glass laser transmitter with no 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)          | 0.54 in. x 0.71 in. x 1.25 in. |
| Laser Head Size (in centimeters)     | 1.37 cm x 1.80 cm x 3.18 cm    |
| Laser Head Weight                    | $\approx$ 20 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?               | No                             |

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