



1 to 5 Hz, 2+ mJ, 6 ns

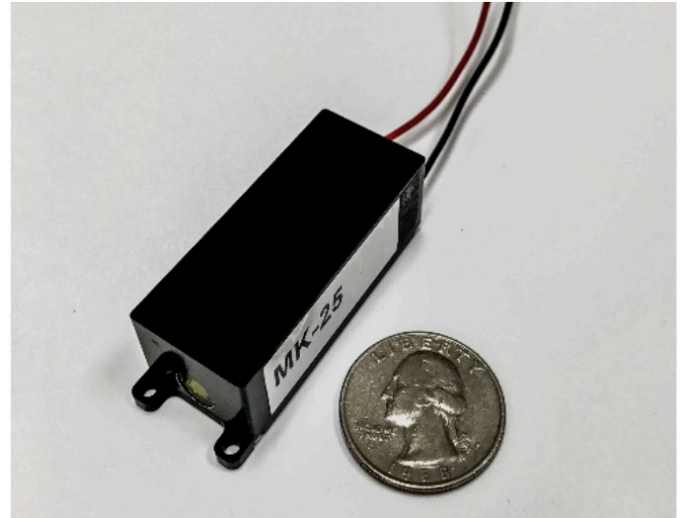
ABOUT L3 KIGRE

L3 Kigre manufactures miniature “eye-safe” diode-pumped 1.54 μm 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-25 is an “eye-safe” 1.54 μm 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	2+ mJ
Pulse Repetition Rate	1 to 5 Hz 60 °C to 70 °C at 5 Hz, 20 % duty cycle per minute
Laser Pulse Width	≈ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4 σ method)	≤ 4.2 mrad
M ²	≤ 1.7
Beam Wander	≤ 0.5 mrad
Laser Head Size (in inches)	1.83 in. x 0.78 in. x 0.61 in.
Laser Head Size (in centimeters)	4.65 cm x 1.98 cm x 1.55 cm
Laser Head Weight	≈ 51 g
Laser Operational Temperature	-40 °C to +71 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	4 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 6 W
Integrated Photodiode?	No

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