

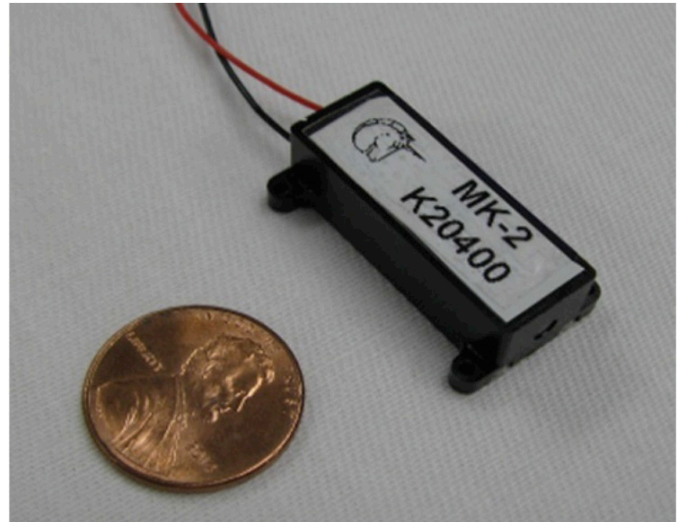
1 to 10 Hz, 0.2+ mJ, 5 ns

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-2 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	0.2+ mJ
Pulse Repetition Rate	1 to 10 Hz 60 °C to 70 °C at 10 Hz, 20 % duty cycle per minute
Laser Pulse Width	≈ 5 ns
Raw Beam Diameter (D4 σ method)	0.21 x 0.31 mm
Beam Divergence	≈ 7 x 10 mrad
Laser Head Size (in inches)	0.4 in. x 0.6 in. x 1.2 in.
Laser Head Size (in centimeters)	1.02 cm x 1.52 cm x 3.05 cm
Laser Head Weight	≈ 9 g
Laser Operational Temperature	-40 °C to +71 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	2 V, 8.5 A, < 6 ms
Conductive Cooling Requirements	< 1 W
Integrated Photodiode?	No

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