

1 to 10 Hz, 3+ mJ, 6 ns

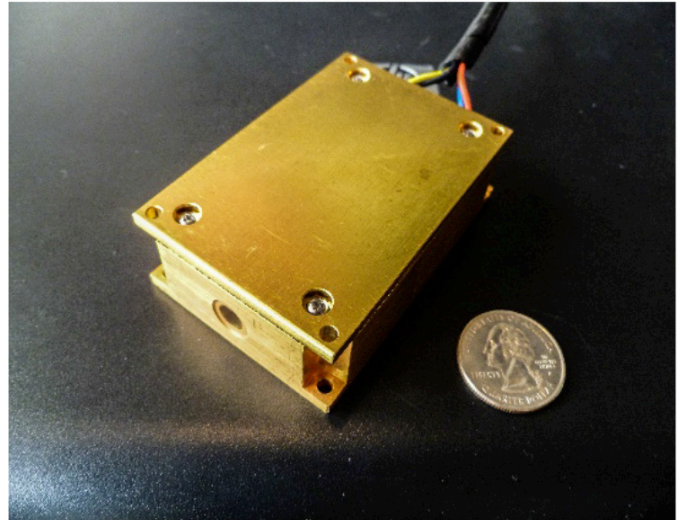
ABOUT L3 KIGRE

L3 Kigre manufactures miniature “eye-safe” 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-88 is an “eye-safe” 1.54 μm diode-pumped passively q-switched Erbium glass laser transmitter with integrated photodiode.

Leaders in Solid State Laser Components



SPECIFICATIONS

Wavelength	1535 nm
Laser Energy	3+ mJ
Pulse Repetition Rate	1 to 10 Hz
Laser Pulse Width	\approx 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4 σ method)	\leq 4.2 mrad
M ²	\leq 1.7
Beam Wander	\leq 0.5 mrad
Laser Head Size (in inches)	0.85 in. x 2.00 in. x 3.00 in.
Laser Head Size (in centimeters)	2.16 cm x 5.08 cm x 7.62 cm
Laser Head Weight	\approx 175 g
Laser Operational Temperature	-30 °C to +50 °C
Laser Storage Temperature	-55 °C to +71 °C
Electrical Requirements	8 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 24 W
Integrated Photodiode?	Yes

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

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