



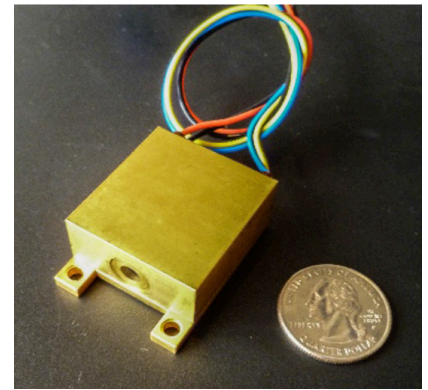
L3HARRIS®
FAST. FORWARD.

MK-11

1 to 2 Hz, 0.8+ mJ, 5 ns Diode-Pumped Passively Q-Switched Erbium Glass Laser Transmitter

SPECIFICATIONS

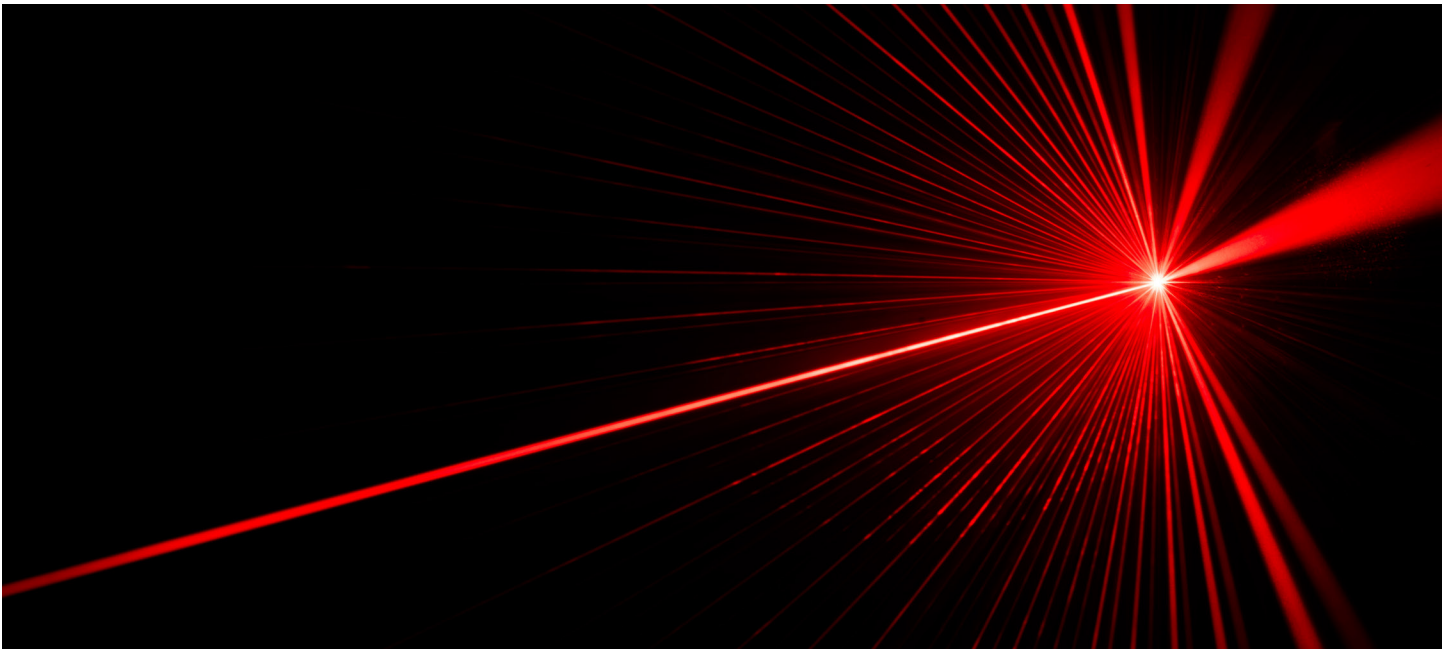
Wavelength	1535 nm
Minimum Laser Energy	0.8+ mJ
Nominal Laser Energy	1.3 mJ
Pulse Repetition Rate	1 to 2 Hz
Laser Pulse Width	5 ns nominal
Raw Beam Diameter	0.4 mm nominal
Beam Divergence (D4 σ method)	6 mrad nominal
Beam Quality	Gaussian-like in X & Y (far field)
Average Radial Beam Wander	≤ 0.5 mrad
Nominal Radial Beam Wander	0.1 mrad
Laser Head Size (in inches)	0.65 x 1.20 x 1.80 in
Laser Head Size (in centimeters)	1.65 x 3.05 x 4.57 cm
Laser Head Weight	≈ 100 g
Laser Operational Temperature	-40°C to +71°C
Laser Storage Requirement	-55°C to +90°C dewpoint kept < -20°C
Electrical Requirements	2 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 1.2 W
Integrated Photodiode	Yes
Laser Classification	Class 1



The MK-11 is a 1.54 μm diode-pumped passively q-switched Erbium glass laser transmitter with integrated photodiode.

ABOUT L3HARRIS

L3Harris is an ISO 9001:2015 certified full-service manufacturer of miniature eye-safe diode-pumped 1.54 μ m Erbium glass laser transmitters and specialty laser and filter glass material. These items are used in applications including laser range-finding, range gate imaging, Light Detection and Ranging (LIDAR) and Laser-Induced Breakdown Spectroscopy (LIBS).



MK-11

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