

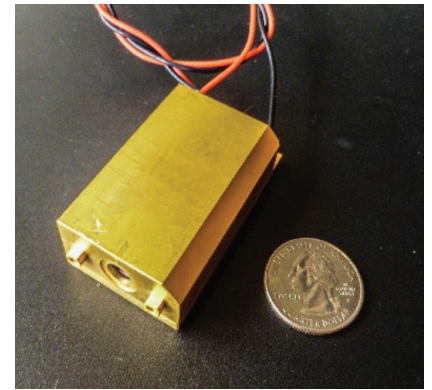


L3HARRIS™
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MK-82

1 to 2 Hz, 2+ mJ, 6 ns

MK-82	
Specifications	
Wavelength	1535 nm
Laser Energy	2+ mJ
Pulse Repetition Rate	1 to 2 Hz
Laser Pulse Width	≈ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4σ method)	≤ 4.2 mrad
M ²	≤ 1.7
Beam Wander	≤ 0.5 mrad
Laser Head Size (in inches)	0.65 in x 1.20 in x 2.19 in
Laser Head Size (in centimeters)	1.65 cm x 3.05 cm x 5.56 cm
Laser Head Weight	≈ 136 g
Laser Operational Temperature	-35 °C to +71 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	4 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 2.4 W
Integrated Photodiode	Yes



The MK-82 is an “eye-safe” 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-82

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