



L3HARRIS®
FAST. FORWARD.

MK-25 - 100 LASER TRANSMITTER

1-to-5 Hz, 2+ mJ, 6 ns diode-pumped passively q-switched Erbium glass laser transmitter

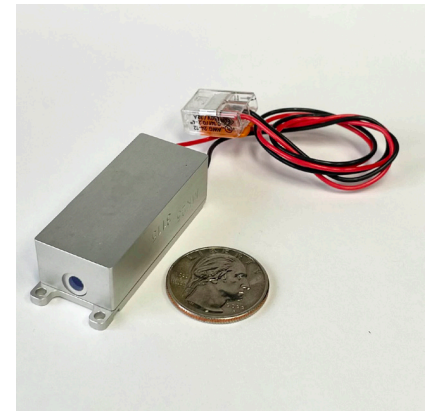
MK-25 - 100 SPECIFICATIONS

Wavelength	1535 nm
Laser Energy	2+ mJ
Pulse Repetition Rate	1-to-5 Hz At 5 Hz and 60°C to 71°C, 20% duty cycle per minute
Laser Pulse Width	≈ 6 ns
Raw Beam Diameter	< 0.7mm
Beam Divergence (D4σ method)	< 6 mrad
Beam Wander	≤ 0.5 mrad
Laser Head Size	4.65 cm x 1.98 cm x 1.55 cm (1.83 in x 0.78 in x 0.61 in)
Laser Head Weight	~51 g (1.8 oz)
Laser Operational Temperature	-40° to 71°C (Validated to ± 2°C)
Laser Storage Requirement	-55° to 90°C (Dry N2 purged environment)
Electrical Requirements	4 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 6 W
Integrated Photodiode	No

ABOUT L3HARRIS

L3Harris is an industry leader and trusted provider of reliable, innovative and affordable multi-domain electro optical mission solutions across the globe. Our expertise includes airborne, ground-based and maritime ISR and targeting mission systems, in-service support and fleet management, space communications and avionics and advanced EO/IR solutions

L3Harris is an ISO 9001:2015 certified full-service manufacturer of specialty laser and filter glass and small diode-pumped Erbium glass laser transmitters operating at the eye-safe wavelength of 1.54μm. These items are used in applications including laser range-finding, range gate imaging, LIDAR (light detection and ranging) and LIBS (laser induced breakdown spectroscopy).



The MK-25-100 is a Class 3R, 1.54 μm diode-pumped passively q-switched Erbium glass laser transmitter with no integrated photodiode.

MK-25-100

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NON-EXPORT CONTROLLED

These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.34, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

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