



**L3HARRIS™**  
FAST. FORWARD.

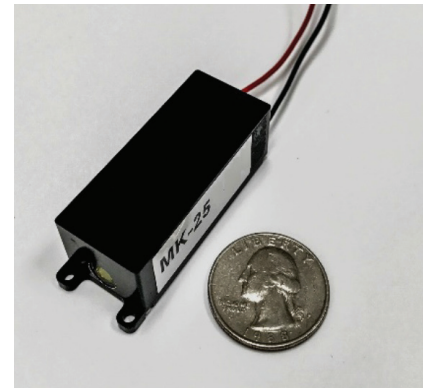
## MK-25 - 100

1 to 5 Hz, 2+ mJ, 6 ns

### MK-25 - 100

#### Specifications

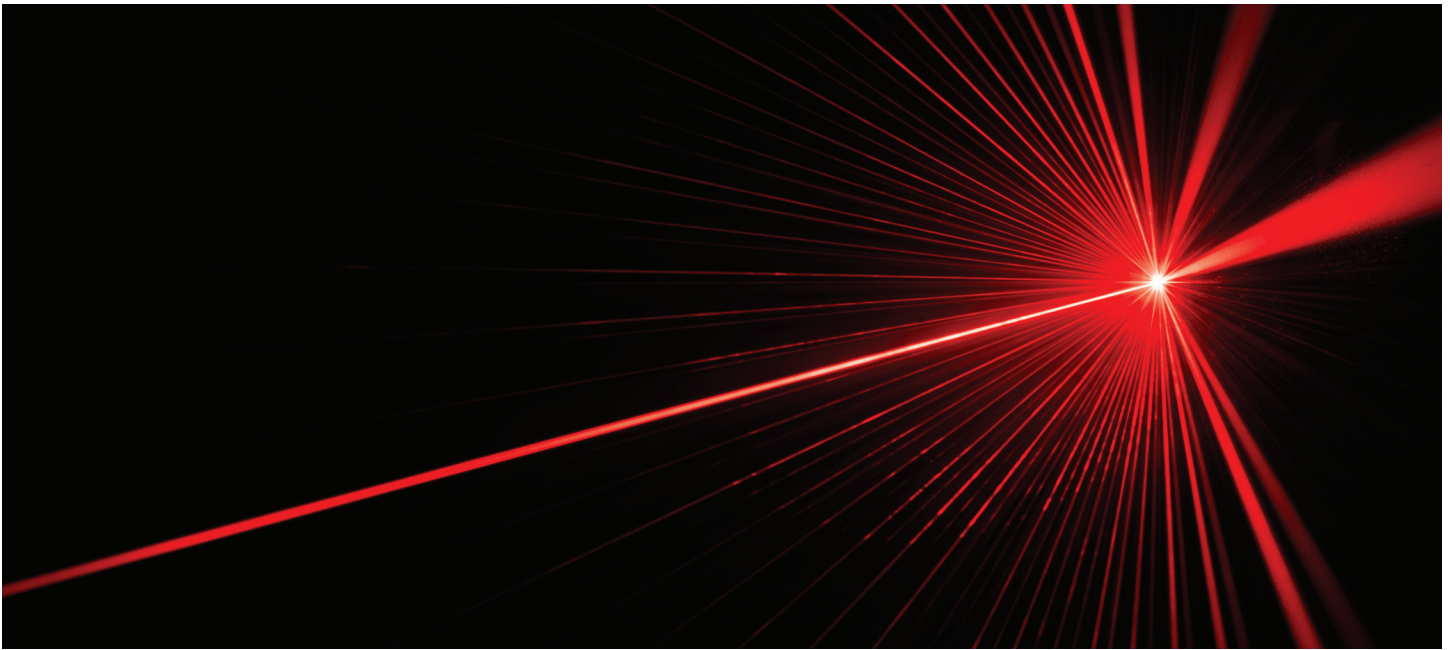
Wavelength	1535 nm
Laser Energy	2+ mJ
Pulse Repetition Rate	1 to 5 Hz 60 °C to 70 °C at 5 Hz, 20% duty cycle per minute
Laser Pulse Width	≈ 6 ns
Raw Beam Diameter	0.8 mm
Beam Divergence (D4σ method)	≤ 4.2 mrad
M <sup>2</sup>	≤ 1.7
Beam Wander	≤ 0.5 mrad
Laser Head Size (in inches)	1.83 in x 0.78 in x 0.61 in
Laser Head Size (in centimeters)	4.65 cm x 1.98 cm x 1.55 cm
Laser Head Weight	≈ 51 g
Laser Operational Temperature	-40 °C to +71 °C
Laser Storage Temperature	-55 °C to +90 °C
Electrical Requirements	4 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 6 W
Integrated Photodiode	No



The MK-25 - 100 is an “eye-safe” 1.54 μm diode-pumped passively q-switched Erbium glass laser transmitter with no integrated photodiode.

## ABOUT L3HARRIS

L3Harris is an ISO 9001:2015 certified full-service manufacturer of miniature eye-safe diode-pumped 1.54 $\mu$ 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-25-100

© 2020 L3Harris Technologies, Inc. | 03/2020

This document consists of general capabilities information that is not defined as controlled technical data under ITAR Part 120.10 or EAR Part 772. Data, including specifications, contained within this document are summary in nature and subject to change at any time without notice at L3Harris' discretion. Call for latest revision. All brand names and product names referenced are trademarks, registered trademarks, or trade names of their respective holders. Rev 006h

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.



**L3HARRIS™**  
FAST. FORWARD.

1025 W. NASA Boulevard  
Melbourne, FL 32919  
t 843 681 5800 | f 843 681 4559  
Info.kigre@L3Harris.com