



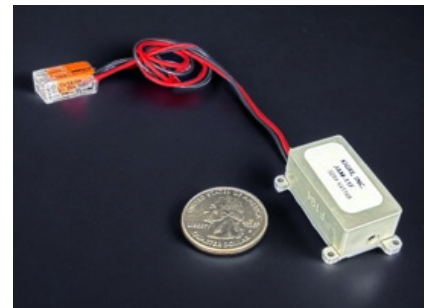
L3HARRIS®
FAST. FORWARD.

JAM-11F

1 to 2 Hz, 0.8+ mJ, 5 ns diode-pumped passively Q-switched erbium glass laser transmitter

SPECIFICATIONS

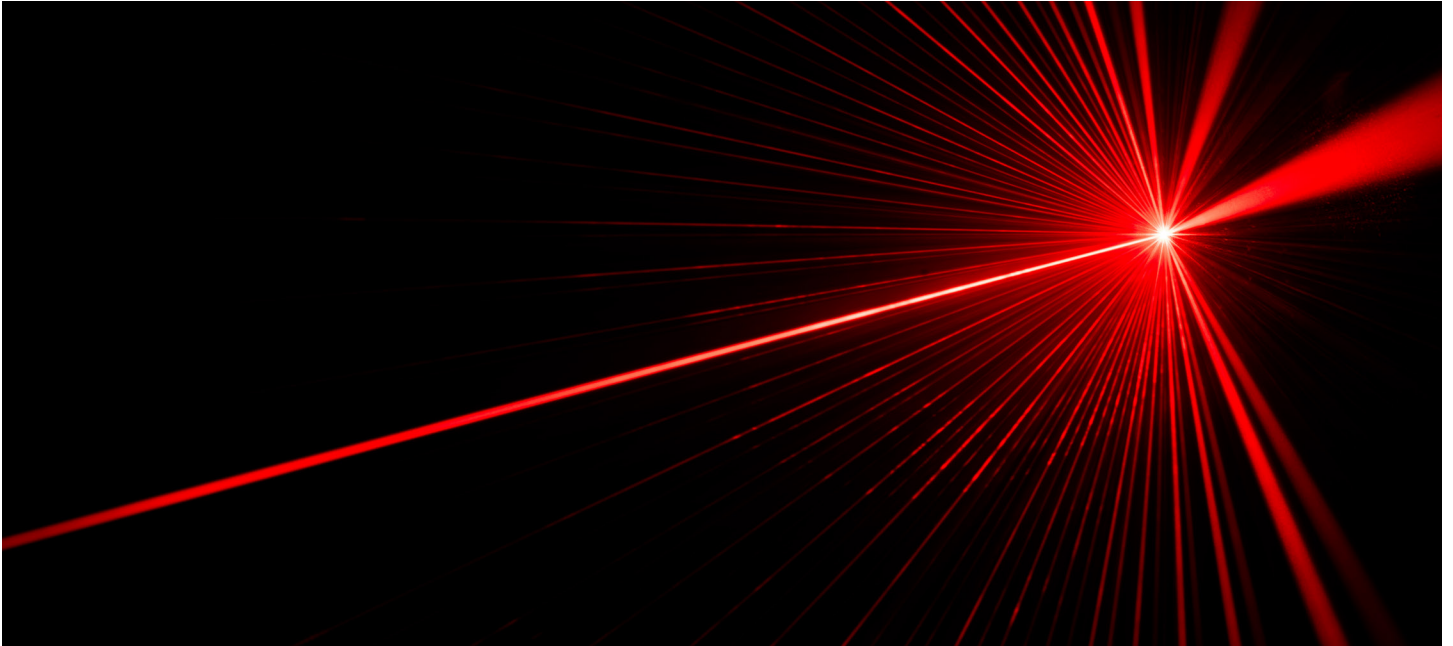
Wavelength	1535 nm
Laser Energy	0.8+ mJ
Pulse Repetition Rate	1 to 2 Hz
Laser Pulse	5 ns nominal
Raw Beam Diameter	0.4 mm nominal
Beam Divergence (D4 σ method)	5.6 mrad nominal
Beam Quality	Gaussian-like in X & Y (far field)
Average Radial Beam Wander	< 0.5 mrad
Nominal Radial Beam Wander	0.18 mrad
Laser Head Size	0.54 in x 0.71 in x 1.25 in 1.37 cm x 1.80 cm x 3.18 cm
Laser Head Weight	\approx 26 g
Laser Operational Temperature	-40°C to +71°C
Laser Storage Requirement	-55°C to +90°C, dewpoint kept \leq -20°C
Electrical Requirements	2 V, 100 A, < 3 ms
Conductive Cooling Requirements	< 1.2 W
Integrated Photodiode	No
Laser Classification	Class 1



The JAM-11F is an “eye-safe” 1.54 μ m 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 μm 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).



JAM-11F

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1025 W. NASA Boulevard
Melbourne, FL 32919

[L3Harris.com](https://www.l3harris.com)