4mJ Erbium Glass Laser

Model:ER4000

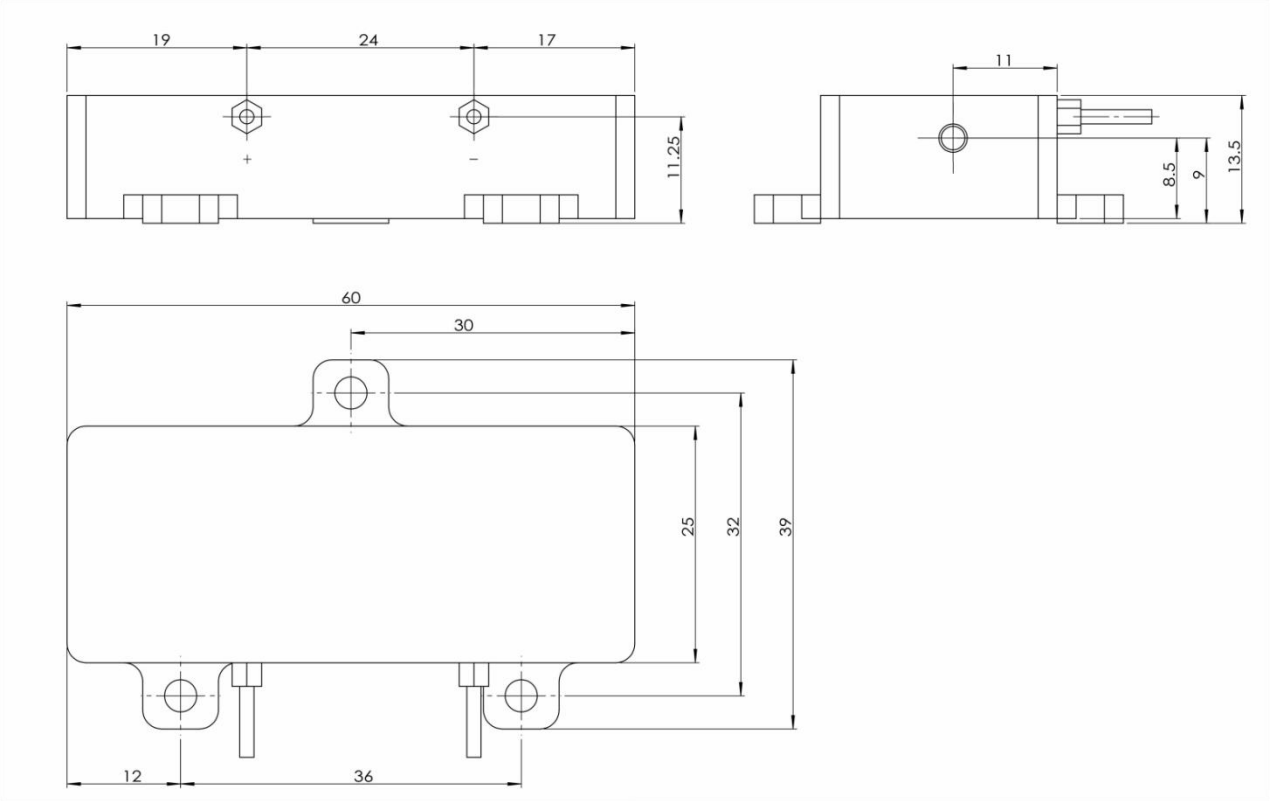
PRODUCT DESCRIPTION

ERDI's self-developed 1535nm erbium glass laser transmitter utilizes diode-pumped microchip technology with pulse energies up to 4mJ or more. The laser operates stably at a frequency of 1-5Hz with compact size and excellent beam quality. Widely used in laser ranging, laser irradiation, LIDAR, target identification, laser medical and fiber optic communication etc. ERDI is committed to providing stable and efficient laser solutions to meet a variety of application needs.

TECHNICAL SPECIFICATIONS

Laser Wavelength	1535 nm
Eyesafe	Class 1
Pulse energy	≥4mJ
Laser Pulse width	12 ns
Pulse repetition rate	5Hz
Pulse stability	±5%
Raw Beam Diameter	0.5 mm
Beam divergence angle	4mrad
Beam Mode	TEM00
Operating temperature	-45 ℃~+65 ℃
Storage temperature	-55 ℃~+85 ℃
Impact	1500 G, 0.5 ms
Vibration	5-200 Hz/20 G
Life span	＞50 million shots
Dimension (mm)	60×25×13.5 mm³
weight	105 g
Voltage	≤5V
electric current	65 A
Drive pulse width	≤4ms

MECHANICAL DIMENSION(mm)



PART NUMBERING SCHEMA