2mJ Erbium Glass Laser

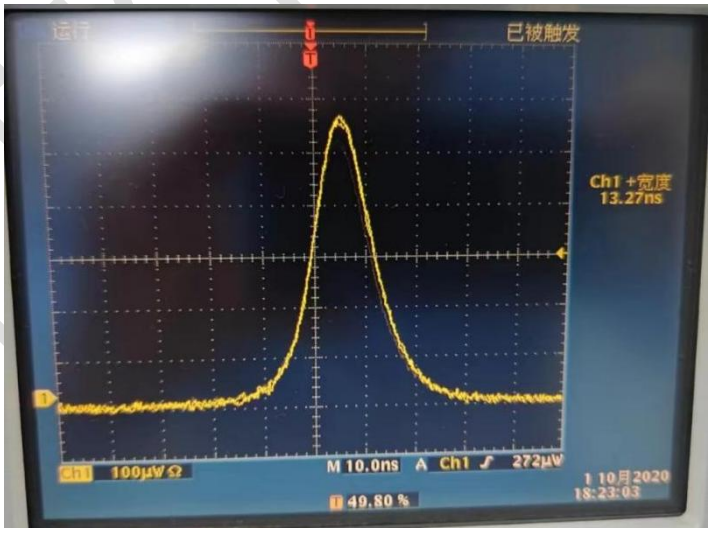
Model:ER2000

PRODUCT DESCRIPTION

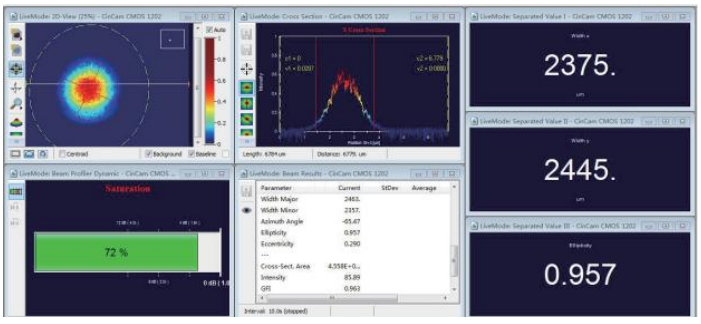
ERDI's self-developed 1535nm erbium glass laser transmitter utilizes diode-pumped microchip technology with pulse energies up to 2mJ or more. The laser operates stably at a frequency of 1-5Hz with compact size and excellent beam quality. Widely used in laser ranging, laser irradiation, LIDAR, target 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

Wavelength	1535 nm
Eye safe	Class 1
Pulse energy（Min./Typ.）	≥2mJ
Pulse width, Typ.(FWHM)	11 ns
Pulse repetition rate	5Hz
Pulse stability	±5%
Spots diameter	0.5 mm
Beam divergence angle	4mrad
Spots 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)	60×34×26
Weight	120 g
Voltage	5V
Current	65 A
Pulse width	≥4ms

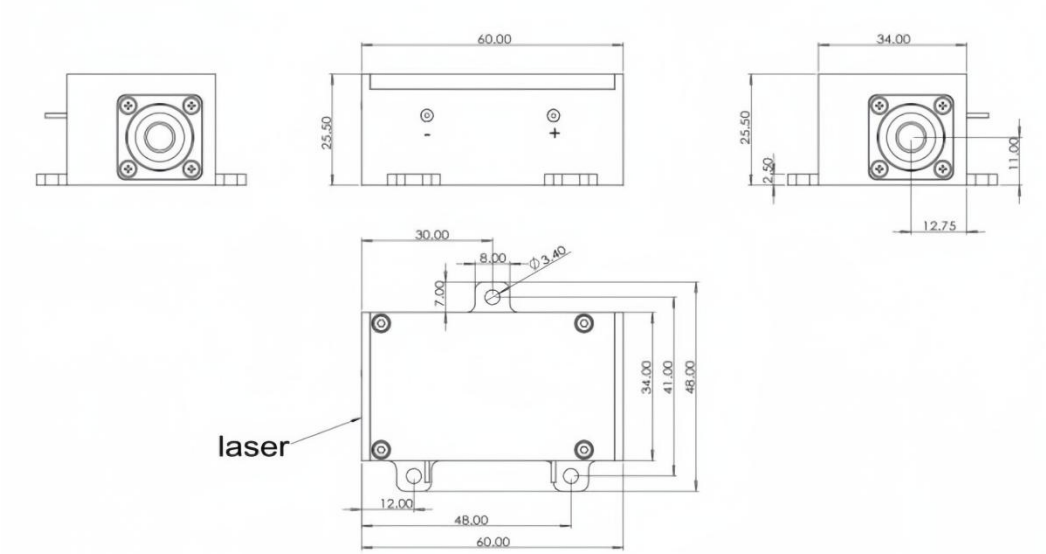


Beam Profile

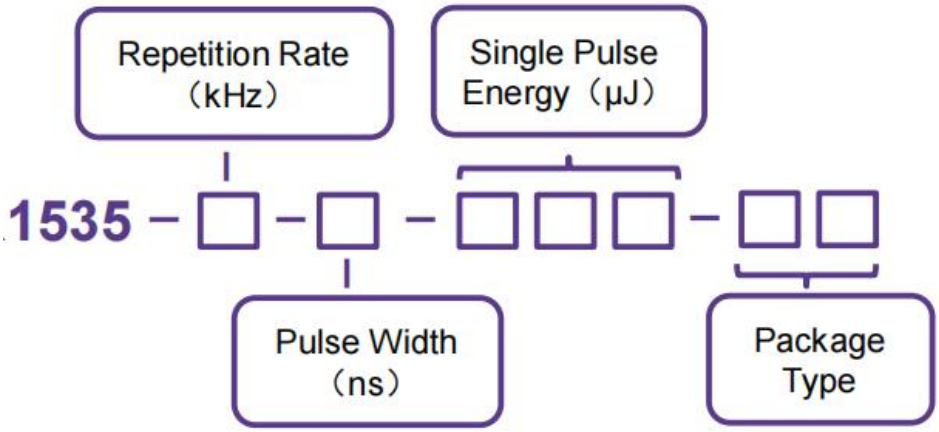


ERDI TECH LTD

MECHANICAL DIMENSION(mm)



PART NUMBERING SCHEMA



PIN DESCRIPTIONS

Pin	Function
1	Laser (+)
2	Laser (-)