ERDI LASER®
ERDI TECH LTD

2mJ Erbium Glass Laser

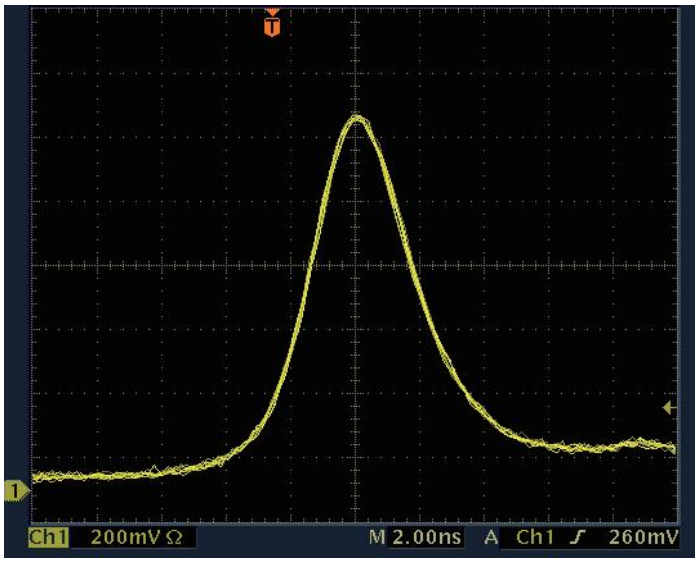
Model:ER2000

OVERVIEW

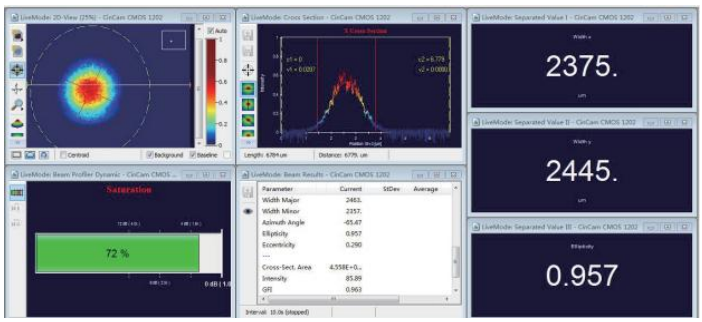
Powered by Erbium Glass, the core active lasing medium, this laser operates efficiently at a 1.54 μ m wavelength. With exceptional photoelectric conversion efficiency, it seamlessly converts electrical energy into high-powered laser output. Experience superior optical performance and consistent output stability, delivering pulse energy exceeding 2mJ. Designed for optimal portability, its compact and lightweight build retains high-performance capabilities.
With versatile applications in scientific research, medical procedures, and industrial laser processing, this laser technology adapts seamlessly to various fields. A symbol of innovation, practicality, power, precision, and portability, the 2mJ Semiconductor Pumped Q-Switched Erbium Glass Laser is your top choice for laser solutions across sectors.

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



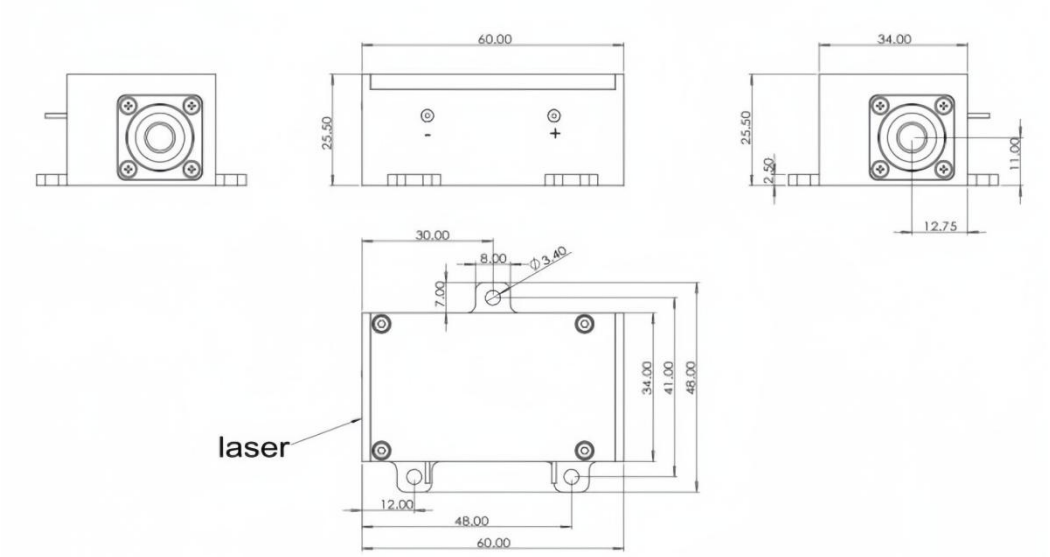
Beam Profile



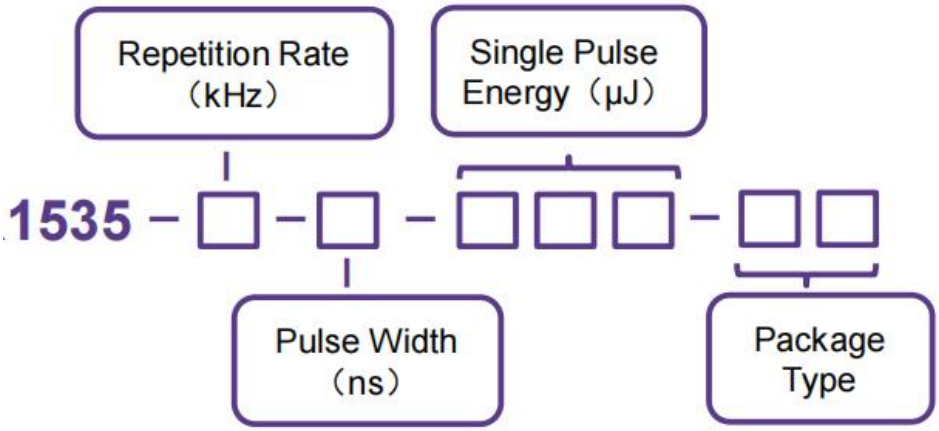
Typical Pluse

Email: sales@erdicn.com TEL: +86-28-81076568 FAX: +86-28-87897578

MECHANICAL DIMENSION(mm)



PART NUMBERING SCHEMA



PIN DESCRIPTIONS

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

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