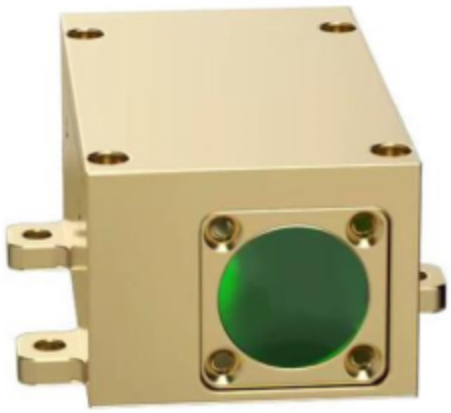
2mJ Erbium-doped glass laser

SKU :ER1535-2000

OVERVIEW

This laser employs erbium glass as the active medium, operating at a wavelength of 1.54μm. It offers a high photoelectric conversion efficiency, effectively converting electrical energy into laser power. With excellent optical performance and output stability, it consistently delivers pulse energy of over 2mJ. It is compact, lightweight, and excels in various fields such as scientific research, medical treatment, and industrial processing.



TECHNICAL SPECIFICATIONS

Wavelength	1535 nm
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

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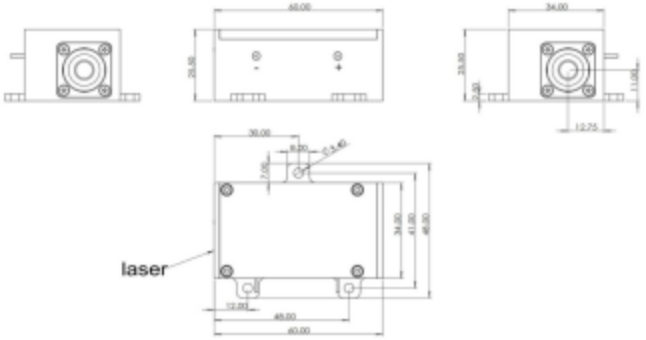
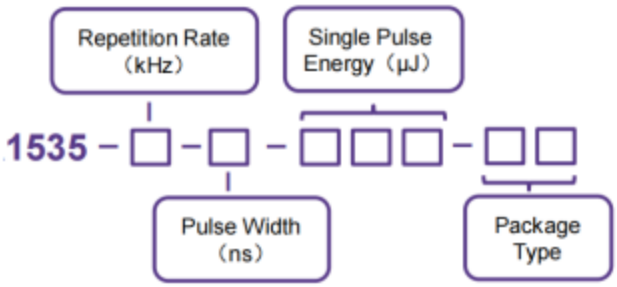
ADD: No.23,Chaoyang road, Xihe street, Longquanyi district, Chengdu, 610107, China.

MECHANICAL DIMENSION(mm)

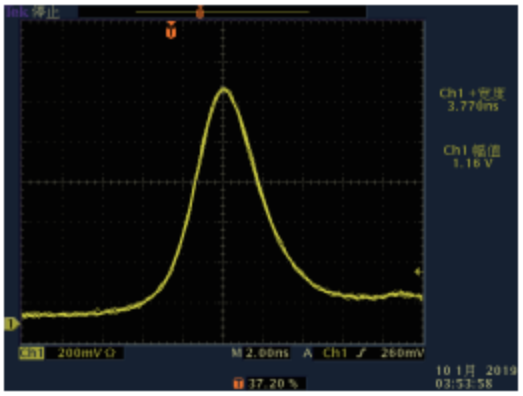


PART NUMBERING SCHEMA

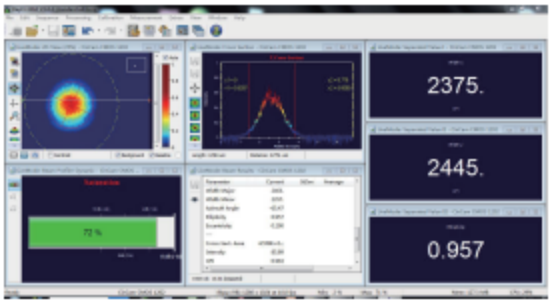


PIN DESCRIPTIONS

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



Typical Pluse



Beam Profile

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