

# Mini 1535nm Erbium Glass Lasers



RealLight's 1535nm Erbium glass lasers operate in the eyesafe wavelength regime, have great advantages in applications including laser ranging and LiDAR. This series of lasers feature no tail pulse, stable pulse energy and excellent beam profile. The integrated design of diode-pumped module and laser crystal brings convenience to installation and integration due to the compact size.

## Key Features

- ◆ Passively Q-Switched, Erbium Glass
- ◆ Eye-safe
- ◆ Extremely light
- ◆ Super compact design
- ◆ Wide operating temperature range

## Applications

- Laser rangefinder
- Meteorological radar

## Technical Specifications

Wavelength (nm)	1535
Pulse energy (μJ)	160
Repetition rate (Hz)	10
Pulse width (typ., ns)	3
Energy Stability (RMS)	3%
Beam full divergence (mrad)	≤11
Beam profile	TEM <sub>00</sub>
Operating current (A)	8
Operating Voltage (V)	2
Dimensions (L×W×H, mm)	16.1×6.3×4.32
Weight (g)	3
Operation temperature (°C)	-40~65
Storage temperature (°C)	-45~80

All the data in the above table are the typical values obtained from the tests at room temperature of 25°C, and the final data is subject to the final test report.

## Order Information

Wavelength (nm)	Part Number	Repetition rate (Hz)	Pulse width (ns)	Pulse energy (μJ)	Dimensions (mm)
1535	R1535-0.01-3-160-FMA	10	3	160	16.1×6.3×4.32

## Mechanical Drawings (in mm)

