



FRLD-1535-20µJ-Q-BE40

Erbium Glass Laser with Beam Expander

Applications

- Laser Ranging
- Laser Remote Sensing
- Lidar

Key Features

- 1535nm, Eye-safe
- High Repetition Rate
- Divergence Angle <0.5mrad
- Integrated PD
- Compact Structure
- High Reliability

Specifications

| | |
|-----------------------------|------------------------------|
| Wavelength (nm) | 1535 |
| Pulse Energy (µJ) | 20 |
| Pulse Width (FWHM) (ns) | 6 |
| Pulse Repetition Rate (kHz) | 2.5 |
| Operation Current (A) | 6 |
| Operation Voltage (V) | 1.8 |
| Beam Diameter (mm) | 12 |
| Beam Divergence (mrad) | 0.4 (FWHM, typical) |
| Magnification | 40x |
| Transversal Mode | TEM ₀₀ |
| Operating Temperature (°C) | -40~+65 |
| Storage Temperature (°C) | -55~+80 (rel. humidity ≤85%) |
| Lifetime (hours) | ≥5000 |

Drawing (Dimensions in mm)

