



## FRLD-1535-40µJ-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)	40
Pulse Width (FWHM) (ns)	5
Pulse Repetition Rate (kHz)	1
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 <sub>00</sub>
Operating Temperature (°C)	-40~+65
Storage Temperature (°C)	-55~+80 (rel. humidity ≤85%)
Lifetime (hours)	≥5000

### Drawing (Dimensions in mm)

