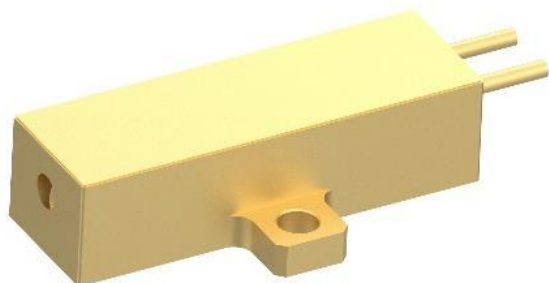


## Erbium Glass Laser Transmitter

ELT100-F10-B10



### Technical Specification

#### Optical

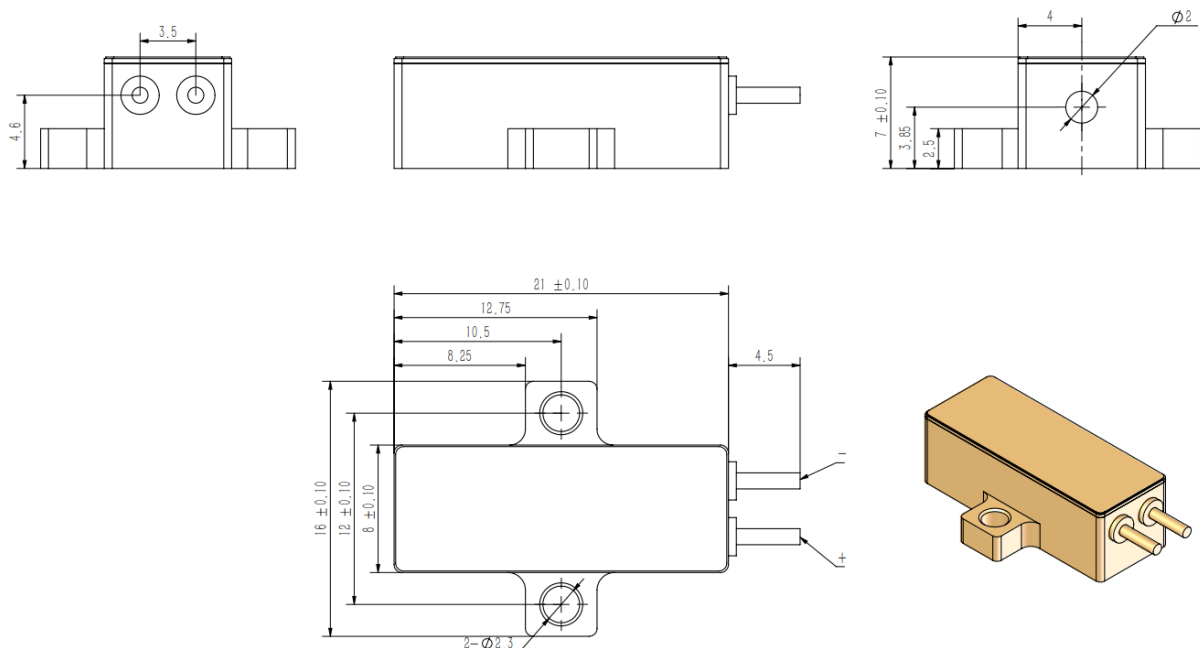
|                                    |        |
|------------------------------------|--------|
| Wavelength, nm                     | 1535±5 |
| Pulse width (FWHM), ns             | 3~6    |
| Pulse energy, μJ                   | ≥100   |
| Re-frequency, Hz                   | 1~10   |
| Beam quality, (M2)                 | ≤1.3   |
| Light spot (1/e <sup>2</sup> ), mm | 0.2    |
| Beam divergency, mrad              | ≤10    |

#### LD electricity parameter

|                    |      |
|--------------------|------|
| Working voltage, V | <2   |
| Working current, A | 6    |
| Pulse width, ms    | ≤2.5 |

#### Others

|                         |                        |
|-------------------------|------------------------|
| Working temperature, °C | -40~+65                |
| Storage temperature, °C | -50~+75                |
| Lifetime                | >10 <sup>7</sup> times |
| Weight, g               | 9                      |



## Notification

- Anti-static measures must be taken during transportation, storage and use.
- Laser diode pins need to be connected to a short route protection.
- Use constant current power supply to avoid peak and surge during operation.
- Laser operating temperature, frequency, pulse width, current is strictly prohibited to exceed the specification of the range.
- Laser work to ensure reliable installation.
- Laser window to ensure clean and pollution-free, so as not to cause light abnormalities.