



The ASE Source Module is an amplified spontaneous emission (ASE) based broadband light source, designed for high-performance fiber optic gyroscope applications. Providing a highly reliable and stable broadband light source within the C-band spectrum, this module offers excellent stability in full temperature range. Moreover, it serves as a cost-effective unit capable of supporting up to 4 channels of devices simultaneously. It is also suitable for OEM integration with compact size configurations.

### FEATURES

- Highly reliable and stable
- 4 Optical Outputs
- Superior Power Stability
- Small mean-wavelength variation
- Minimal ripple in emission spectrum
- Ultra Compact Size

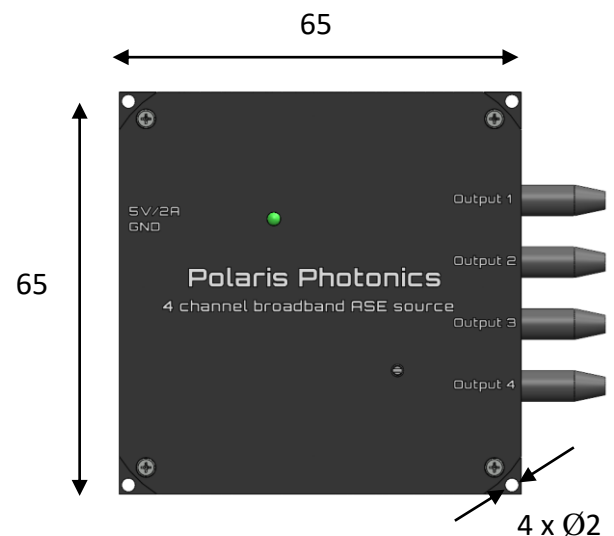
### APPLICATION

- Fiber Optic Current Sensing
- White light interferometer
- Fiber optic gyroscope
- IMU Integration
- Optical measurement System

### MECHANICAL DRAWING



Unit: mm



### SPECIFICATIONS

|                           |                              |
|---------------------------|------------------------------|
| Operating wavelength      | 1528 nm ~1561 nm             |
| Output power              | 10 mW typ. (Per Channel)     |
| Number of channels        | 4                            |
| Output power stability    | ±0.5 dB over 8 hours         |
| Spectral width            | 40 nm typ.                   |
| Spectral flatness         | ± 2.0 dB typ.                |
| Spectral ripple           | 2.5% typ.                    |
| Mean-wavelength stability | ±0.1 nm max. over 8 hours    |
| Fiber type                | Single mode fiber            |
| Fiber connector           | FC/APC or others             |
| Operating voltage/current | 5V/2A                        |
| Power consumption         | 5W typ.                      |
| Electric connector        | 5V-GND power line            |
| Operating temperature     | -40°C to +77°C               |
| Storage temperature       | -50°C to +85°C               |
| Size (HxWxL)              | 15 x 65 x 65 mm <sup>3</sup> |