

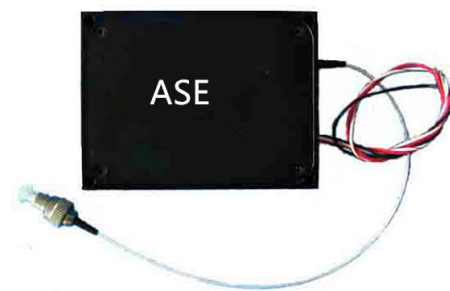
ASE Broadband Source

Product Features

- Ex-fiber output power of >10mW
- Compact size
- Single +5V power supply

Product Applications

- Fiber Optic Sensors
- Fiber Optic Communications
- Optical Test Instrument



Specifications

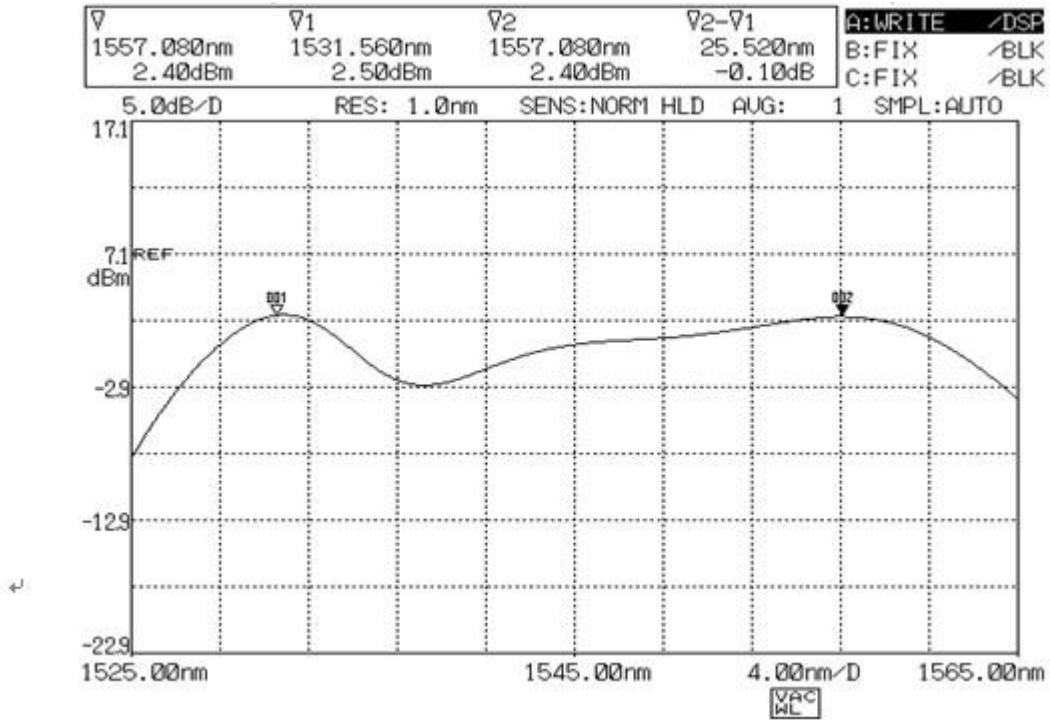
| Parameter | Unit | OFASE-C-N | OFASE-C-G | OFASE-CL-N |
|-------------------------------|--------|---|-------------|-------------|
| operating wavelength | nm | 1527 ~ 1565 | 1527 ~ 1565 | 1525 ~ 1610 |
| output power | dBm | 10.0 ~ 19.0 | 10.0 ~ 13.0 | 10.0 ~ 17.0 |
| spectral density | dBm/nm | -11 ~ -2 | -11 ~ -8 | -17 ~ -10 |
| Spectrum flatness | dB | ≤7 | ≤1.5 | ≤10 |
| Spectrum stability | dBm/nm | ≤±0.005 (15 minutes) | | |
| Output stability ¹ | dB | ≤±0.005 (15 minutes) | | |
| Output stability ² | dB | ≤±0.01 (8 hour) | | |
| Degree of polarization | dB | ≤0.2dB | | |
| Fiber Type | - | SMF-28 | | |
| Connector | - | FC/UPC , FC/APC or Specify | | |
| Operating temperature | °C | 0 ~ +65 (-20 ~ +65extended range available) | | |
| Storage temperature | °C | -20 ~ +70 | | |
| Operating Relative Humidity | % | 20 ~ 80 | | |
| Input Power Supply | - | +3.3V~5.0V DC, Drive current >1000mA; ripple wave ΔV < 1% | | |
| Power consumption | 25°C | <1.5W (typ <1.0W) | | |
| Total Power consumption | | <3W | | |
| Dimension (L×W×H) | mm | 100×70×19 | | |

Note: the stability of the test environment for 23 + 2 °C preheat products for 60 minutes.

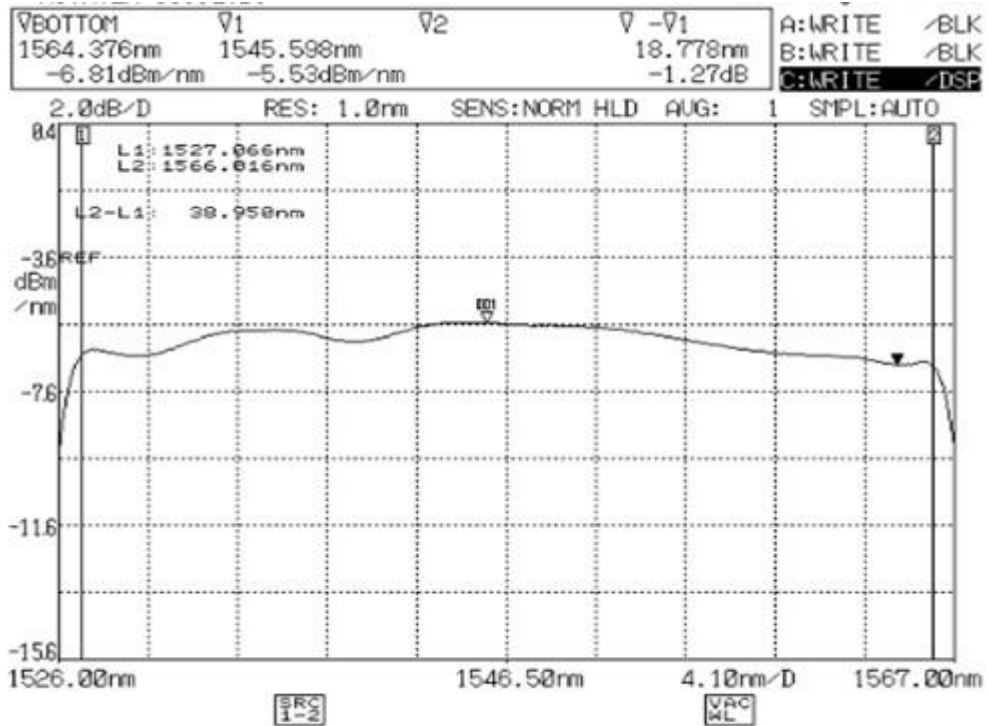
1. The test conditions: fixed temperature, the CW.

2. The test conditions: temperature value plus or minus 2 °C, the CW.

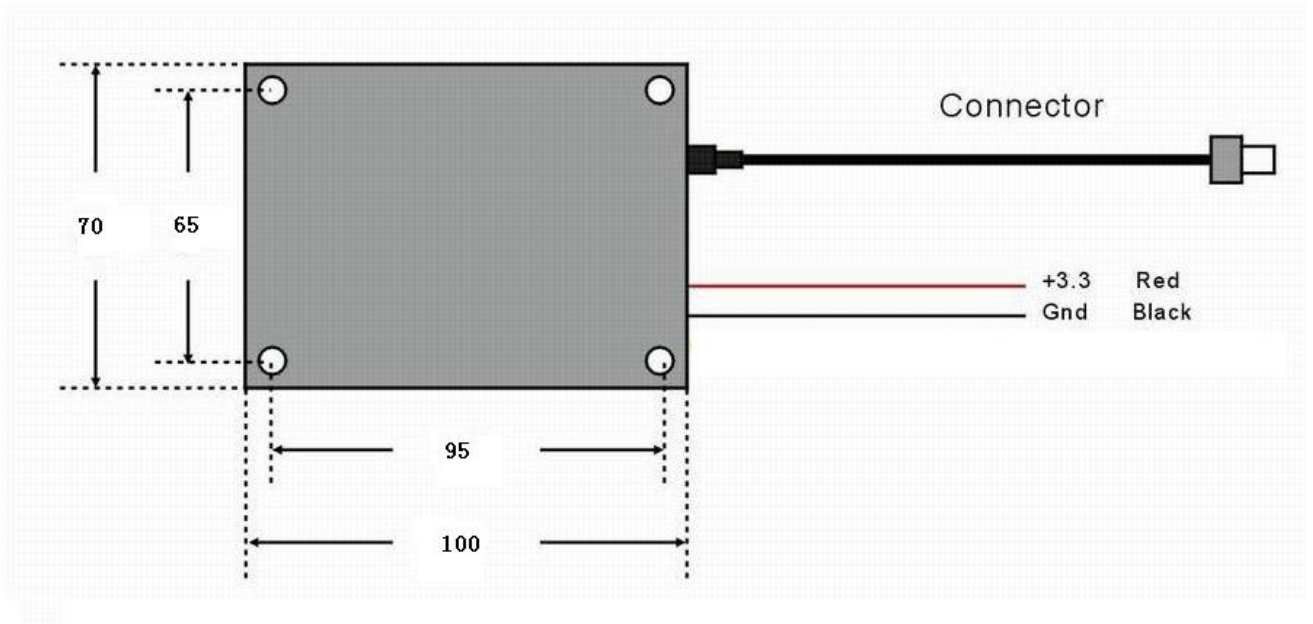
Typical spectra



C band of uneven spectrogram



C band flat spectra


Ordering Information

| ASE | Wavelength | flatness | Output power | Fiber Length | Connector |
|-----|---|--------------------------|------------------------------------|-------------------------------------|---|
| | C band L band C+L band Specify | flatness Non flatness | 10dBm 13dBm 17dBm Specify | 0.5m 1m 1.5m 2m Specify | N=None FC/APC FC/UPC SC/APC SC/UPC Specify |