

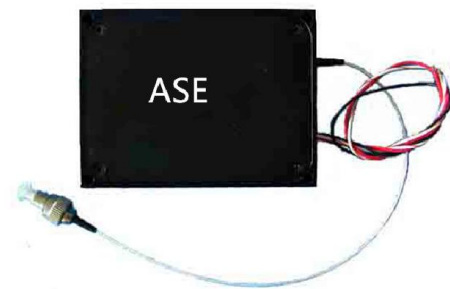
## ASE Broadband Source

### 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

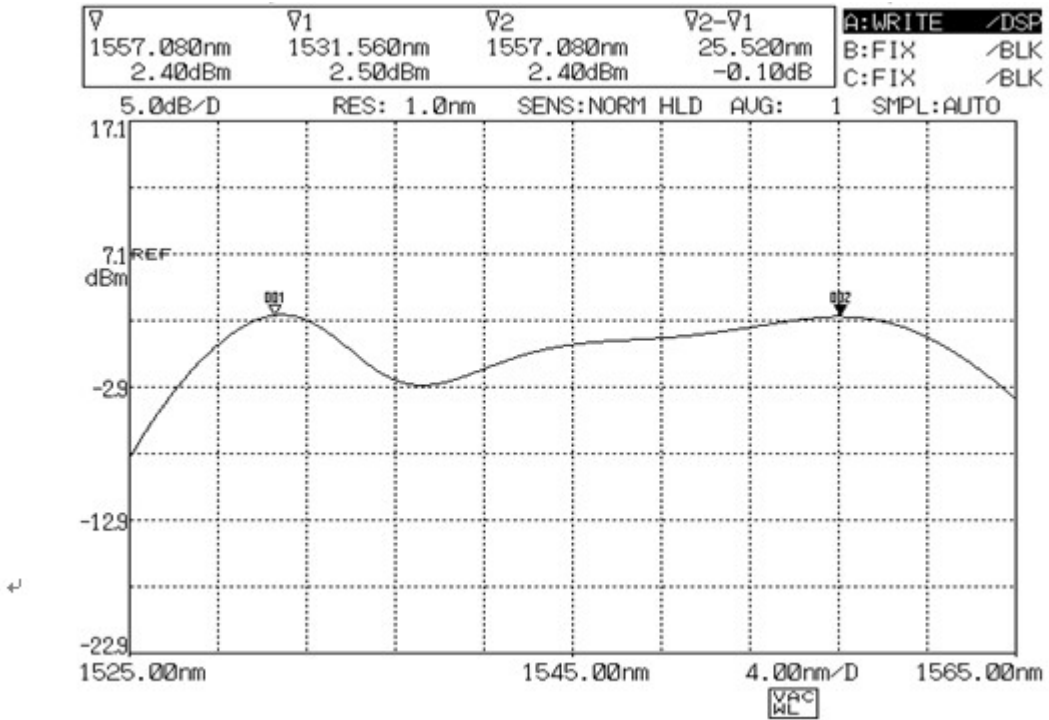
Parameter	Unit	Value
operating wavelength	nm	1525 ~ 1565
output power	dBm	10.0 ~ 20.0
spectral density	dBm/nm	-8 ~ -2
Spectrum flatness	dB	≤7
Spectrum stability	dBm/nm	≤±0.005 (15 minutes)
Output stability <sup>1</sup>	dB	≤±0.005 (15 minutes)
Output stability <sup>2</sup>	dB	≤±0.01 (8 hour)
Degree of 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.

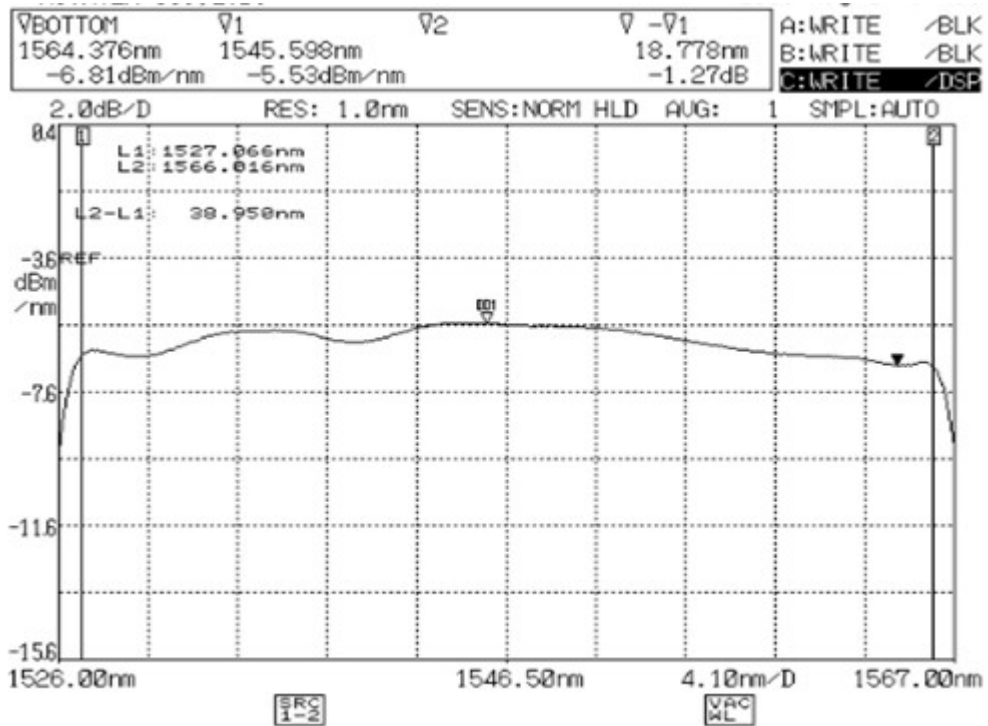
1. The test conditions: fixed temperature, the CW.

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

## Typical spectra

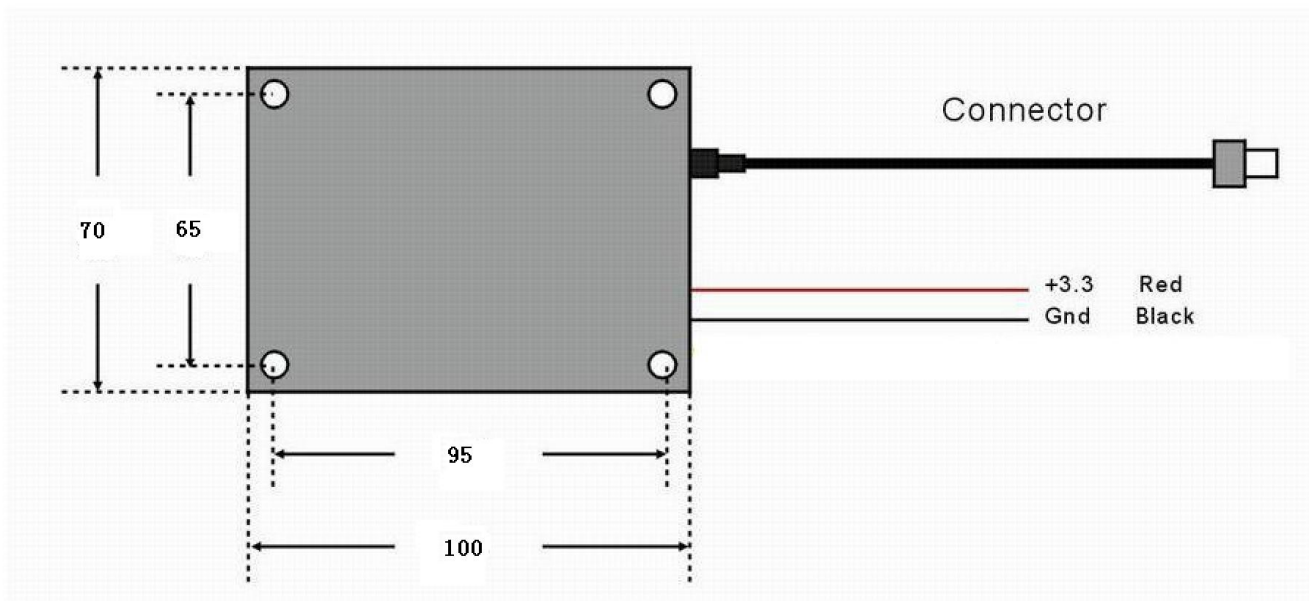


**C band of uneven spectrogram**



**C band flat spectra**

**PHYSICAL DIMENSIONS AND MECHANICAL SPECIFICATION**



**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