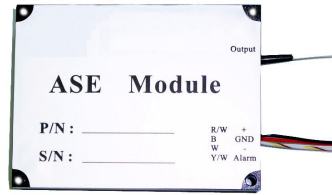
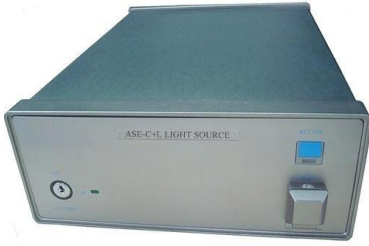


ASE light source



Applications

Optical fiber sensing
Optical fiber passive component spectrum testing
Optical fiber grating, DWDM, filter testing
Optical fiber measurement equipments

Features

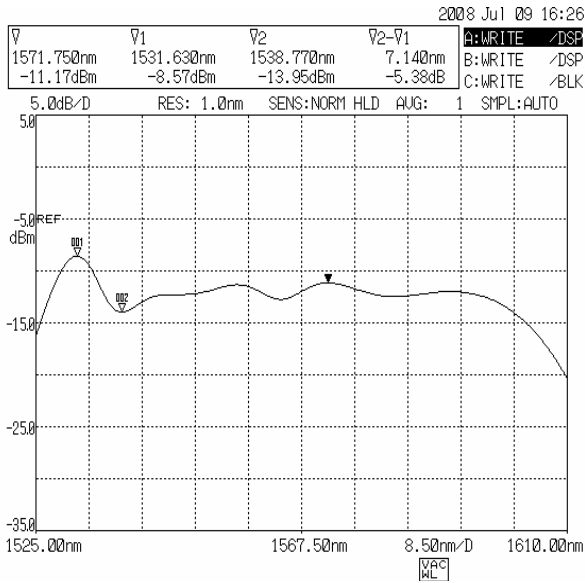
High output power
High stability
Broadband spectrum output, covering C band and C+L band

Specifications

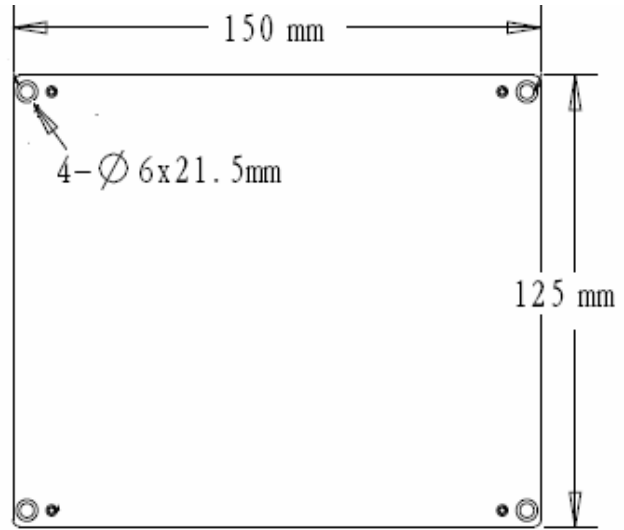
| Parameters | ASE-C+L |
|--|--|
| Operating wavelength (nm) | 1525 ~1610 |
| Output power (dBm) | 10~25.0 |
| Spectral density (dBm/nm) | ≥-17 |
| Spectral stability (dBm/nm) | ≤±0.01(5 min) |
| Output power short-term stability (dB) | ≤±0.01(5 min) |
| Output power long-term stability (dB) | ≤±0.03(8 hour) |
| Pigtail fiber | SMF-28 |
| Connector type | FC/PC, FC/UPC or FC/APC |
| Operating temperature (°C) | 0 ~ +65 |
| Storage temperature (°C) | -20 ~+70 |
| Relative humidity (%) | 20~80 |
| Power Supply | 110/220V AC, +5V DC, Driving current >500mA; ΔV<1% |
| Maximal Power Consumption | 10W |
| Dimensions (L×W×H mm) | 150×125×31, 320×220×90 |

Remark: Stability is tested at room temperature $25 \pm 2^\circ\text{C}$ after pre-heating 30 minutes.

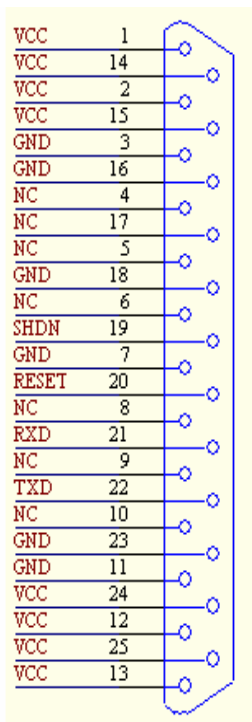
1. Test condition: fixed temperature, CW.
2. Test condition: temperature variation $\pm 2^\circ\text{C}$, CW.



Typical spectrum



Installation of Module



Definition of Connector

| Pin | Discription | Pin | Discription |
|-----|---------------|-----|--------------------------------------|
| 1 | 5 power(±10%) | 14 | 5 power(±10%) |
| 2 | 5 power(±10%) | 15 | 5 power(±10%) |
| 3 | Ground | 16 | Ground |
| 4 | NC | 17 | NC |
| 5 | NC | 18 | Ground |
| 6 | NC | 19 | Pump LaserModule On/Off 1: OFF 0: ON |
| 7 | Ground | 20 | Reset Input 1: Enable 0: Disable |
| 8 | NC | 21 | RS-232 Input(TTL) |
| 9 | NC | 22 | RS-232 Output (TTL) |
| 10 | NC | 23 | Ground |
| 11 | Ground | 24 | 5 power(±10%) |
| 12 | 5 power(±10%) | 25 | 5 power(±10%) |
| 13 | 5 power(±10%) | | |

Ordering Information

| ASE-C+L | Type | Output Power | GFF | Connector |
|---------|------------------------|---|------------------------|-------------------------|
| | M=Module D=Desk-top | 10=10dBm 13=13dBm 20=20dBm etc | G=GFF N=Without GFF | FC/UPC FC/APC etc |