Opto-Link
Corporation Ltd

# ASE C-Band Light Source

*(Wavelength: 1525 ~ 1565nm)*

The OLS15C Amplified Spontaneous Emission (ASE) C-Band light source offers ultra-stable, broadband light between 1525 and 1565nm. This ASE source is designed for applications requiring high optical power over a wide wavelength range. It is ideal for DWDM systems, sensor systems and components characterization.

## Types

- with Gain Flattening Filter (GFF)
- without Gain Flattening Filter (GFF)

## Applications

- Spectral measurements of C-Band DWDM passive components
- Noise simulation in DWDM systems
- Fiber optics sensors
- PMD measurement

## Features

- Large output power (maximum +20 dBm)
- Excellent output power stability
- Tunable output power
- Excellent spectrum flatness

光技術をサポートする
株式会社オプトサイエンス
http://www.optoscience.com

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# SPECIFICATIONS

## ASE C-Band Light Sources without GFF

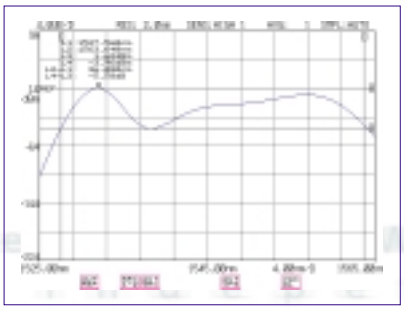
| Parameter | Performance |
|---|---|
| Wavelength | 1525 nm ~ 1565 nm |
| Spectrum Density | > -4 dBm/nm (15 dBm typical 1528 nm to 1563 nm) |
| Total Output Power | > +10 dBm (Max. +20 dBm) |
| Output Stability | ± 0.02 dB (8 hrs) |
| Output Connector | FC/APC, others on request |
| Dimensions | 230.5mm x 89mm x 300mm |

## ASE C-Band Light Sources with GFF

| Parameter | Performance |
|---|---|
| Wavelength | 1525 nm ~ 1565 nm |
| Spectrum Flatness | < 1dB at low output power (+3 ~ +8 dBm) |
| | < 2dB at high output power (< +17 dBm) |
| Total Output Power | > +10 dBm (Max. +17 dBm) |
| Output Stability | ± 0.02 dB (8 hrs) |
| Output Connector | FC/APC, others on request |
| Dimensions | 230.5mm x 89mm x 300mm |

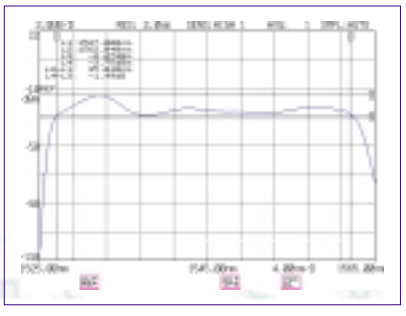
| Environment | | User Interface | |
|---|---|---|---|
| Operating Temperature | 0 °C to +40 °C | Displays | Optical output power |
| Storage Temperature | -40 °C to +70 °C | Controls | Keylock switch, optical output power |
| Operating Humidity | 5% to 95% | Alarms | Laser Indicator, Alarm Indicator |
| Power Supply | 230/110 V 50/60 Hz | Computer Interface | RS232 |

ASE C-Band Light Sources without GFF



Single optical output model (+15 dBm, typical)

ASE C-Band Light Sources with GFF



Single optical output model (+13.5 dBm, typical)

# ORDERING CODES

OLS15C [ ][ ] – [ ] – [ ]

| Features | Code |
|---|---|
| with GFF | G |
| without GFF | |

| Types | Code |
|---|---|
| Bench top | B |

| Power | Code |
|---|---|
| +10 dBm | 10 |
| +13 dBm | 13 |
| +15 dBm | 15 |
| +17 dBm | 17 |
| +20 dBm | 20 |

| Connector Type | Code |
|---|---|
| FC/APC | FA |
| Others | XX |

■ Opto-Link Corporation Ltd. reserves the right to make changes to the products described herein without notice.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