

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

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SPECIFICATIONS

ASE C-Band Light Sources without GFF

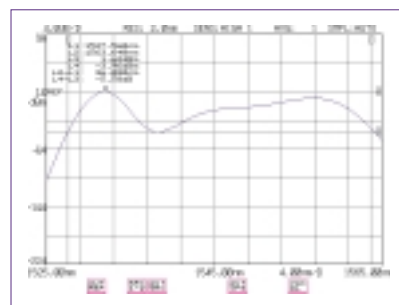
Parameter	Performance
Wavelength	1525 nm ~ 1565 nm
Spectrum Density	> -4 dBm/nm (15 dBm typical 1528 nm to 1563 nm)
Total Output Power	> +10 dBm (Max. +20 dBm)
Output Stability	± 0.02 dB (8 hrs)
Output Connector	FC/APC, others on request
Dimensions	230.5mm x 89mm x 300mm

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

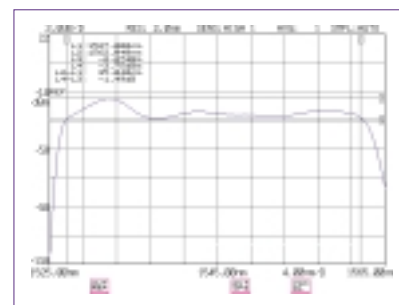
Environment		User Interface	
Operating Temperature	0 °C to +40 °C	Displays	Optical output power
Storage Temperature	-40 °C to +70 °C	Controls	Keylock switch, optical output power
Operating Humidity	5% to 95%	Alarms	Laser Indicator, Alarm Indicator
Power Supply	230/110 V 50/60 Hz	Computer Interface	RS232

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

ALS15C - -

Features	Code	Types	Code	Power	Code	Connector Type	Code
with GFF	G	Bench top	B	+10 dBm	10	FC/APC	FA
without GFF				+13 dBm	13	Others	XX
				+15 dBm	15		
				+17 dBm	17		
				+20 dBm	20		

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