

# Broadband ASE Source

## CLS-561

**FIBERPRO** CLS-561, high power ASE source that offer stable output power up to 23dBm, provides stable and broad spectrum over C band, L band or C+L band. It enables effective and efficient measurement required for passive optical devices for DWDM application, such as Fiber Bragg Gratings, MUX/DEMUX, Isolator, Filters, Couplers, etc. It can be also useful in improving the component quality and performance.

CLS-561 series also provide easy-to-use manipulations for control and monitoring their performances.



## Features

- High output power
- Stable spectral output power
- Flattened output
- Wide wavelength range (C,L,C+L band)
- Isolated output
- RS232 remote interface
- Easy operation
- Compact size

## Applications

- DWDM components spectral test
- Optical components tests
- Optical fiber characterization
- System compliance tests
- Optical measurement system
- Optical sensors

### F.E.S. Co., Ltd.

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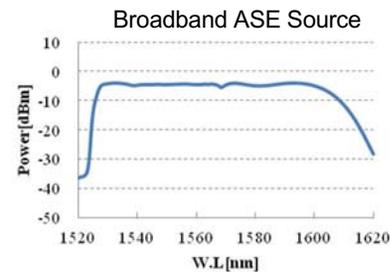
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## Optical Specifications

Parameters	C Band	L Band	C+L Band
Wavelength Range	1528nm ~ 1563nm	1565nm ~ 1608nm	1528nm ~ 1603nm
Total Output Power <sup>(1)</sup>	Max. 23 dBm	Max. 23 dBm	Max. 21 dBm
Output Power Stability <sup>(2)</sup>	0.02 dB		
Spectral Power Stability <sup>(3)</sup>	0.2 dB		
Spectrum Flatness <sup>(4), (5)</sup>	3 dB		
Output Isolation	30 dB		
Connector Type	FC/PC, FC/APC, SC/PC, SC/APC		

- 1) When GFF is NOT included
- 2) @23°C ±3°C, after 1hour warming up
- 3) @23°C ±3°C, after 1hour warming up
- 4) @Output: 12~23 dBm
- 5) When GFF is included

## Electrical / Physical / Environmental Specifications

Interface	RS232
Power Supply	AC100 ~ 240V
Power Consumption	20 VA
Operating Temperature	10 ~ 40 °C
Storage Temperature	-40 ~ 85 °C
Storage Humidity	0 ~ 90%
Dimensions (W x D x H)	234mm x 450mm x 108mm (With rubber cover)
	212mm x 420mm x 86mm (Without rubber cover)

## Ordering Code

CLS-561 - (1) - (2) - (3) - (4)

1. Gain Flattening Filter ➡ GFF included(F), GFF NOT included(X)
2. Band ➡ C band(C), L band(L), C+L band(F)
3. Output power ➡ 15dBm(15), 18dBm(18), 21dBm(21), 23dBm(23)
4. Connector type ➡ FC/PC(F/P), FC/APC(F/A), SC/PC(S/P), SC/APC(S/A)

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