

ASE Light Source BLS Series



Key Features

- High spectral density
- High spectral stability
- Low ripple and flat spectrum
- Low coherence
- Coverage of wide wavelength range

Overview

The **ASE Light Source BLS Series** is an ultra-stable light source designed for applications requiring high optical power over a wide wavelength spectrum.

It is a self-contained, rack-mount unit designed to supply the required spectral density across the intended wavelength range. The C-band model covers the span from 1528 nm to 1564 nm while the C+L-band model covers the 1528 nm to 1608 nm range, that is ideal for the interrogation of fiber Bragg grating sensors.

Applications

- DWDM component characterization
- Fiber optic sensing
- Optical measurement system

ASE Light Source BLS Series

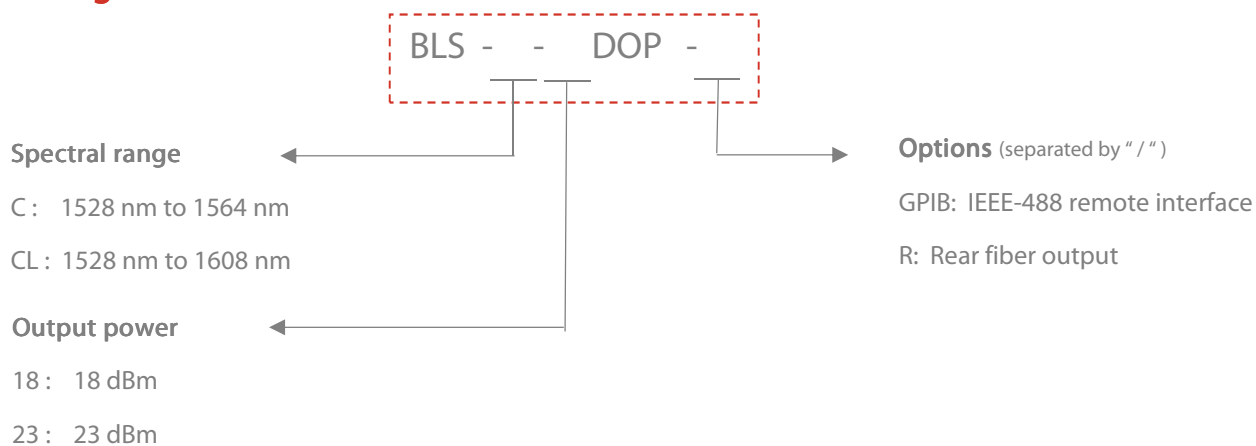
Optical Specifications

	18, C-band	18, C + L-band	23, C-band
Output power typical	18 dBm	18 dBm	23 dBm
Output power minimum	17 dBm	17 dBm	22 dBm
Minimal spectral density	-3 dBm / nm	-10 dBm / nm	0 dBm / nm
Output power stability (8h) *	± 0.04 dB	± 0.04 dB	± 0.04 dB
Operating wavelength	1528 nm to 1564 nm	1528 nm to 1608 nm	1528 nm to 1564 nm
Spectral flatness	7 dB typical, 8 dB maximum		
Output isolation	> 40 dB		
Degree of polarization	< 2 %		
Connectors	FC / APC		
Optical fiber	SMF-28		
Computer interface	RS232, Ethernet		
Available options	Rear output fiber, GPIB interface		

> Product specifications and descriptions provided in this document are subject to change without notice.

* at a constant ambient temperature ± 0.25 °C after 1 hours warm-up

Ordering information



Example: BLS-C-18DOP-GPIB/R

> Custom configurations are available upon request.

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