



Opto-Link  
Corporation Ltd

# Super Wide Band Light Source

covering E, S, C, L and U bands, 1420~1640 nm

The Super Wide Band Light Source provides high spectral density and stable broadband light between 1420 and 1640 nm. It outputs more than -25 dBm/nm and the power drift over 8 hours is less than  $\pm 0.02$  dB at room temperature. This super wideband source is excellent for Optical Coherence Tomography (OCT), fiber optic sensing application and components characterization.

## Features

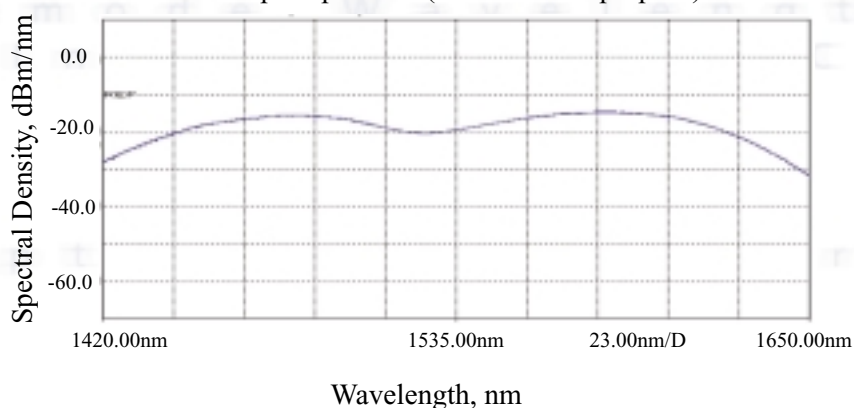
- Ultra-wide Wavelength Range
- High Spectral Density
- Excellent Power Stability

## Applications

- Optical Coherence Tomography (OCT)
- Fiber Optic Sensing Application
- Fiber Optic Components Characterization

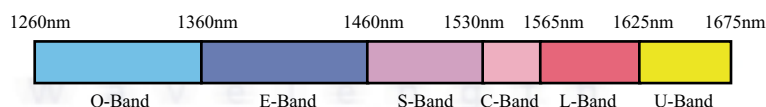
Specifications	
Wavelength Range	1420~1640 nm
Output Power	> 8 mW ( 10 mW, Typical)
Spectral Density	> -20 dBm/nm (over 1440 nm to 1620 nm) > -25 dBm/nm (over 1420 nm to 1640 nm)
Peak Spectral Density	-7 dBm/nm
Power Stability	$\pm 0.02$ dB (over 8 hours)
Ripple	< 0.1 dB
Degree of Polarization	< 10 % (Option: Depolarized)
Interface	FC/APC, others are available on request
Fiber	SMF
Operation Temperature	0 ~ 40 °C
Storage Temperature	-20 ~ 60 °C
Power Supply	100 ~ 240V, 50/60 Hz
Dimension	230.5 x 89 x 500 mm <sup>3</sup>

Output Spectrum (for indicative purpose)



## ORDERING CODES

OLSWB -  -



Bandwidth	Code
O+E-Band (covering 1260 ~ 1460nm)	OE
E+S+C+L+U-Band (covering 1420 ~ 1640nm)	ESCLU

Connector Type	Code
FC/APC	FA
Customer Specify	XX

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