



High Isolation WDM



BLS/DFB

SLD/DFB Light Source

- Passive component measurement used
- Ultra wide optical bandwidth (900nm to1650nm)
- Difference combinations
- 40~100 nm wavelength window
- Ultra high power (up to 100mW)
- Multi-Channel outputs





Broad Band Light Source

Increase your testing capability with this SLD Light Source for high-dynamic-range applications. The SLD Light Source is extremely useful for applications ranging from fiber-optic sensing to spectral characterization of passive devices.

Available in 980 nm, 1280nm, 1300 nm, 1320nm, 1400nm, 1480nm, 1550nm and 1620 nm

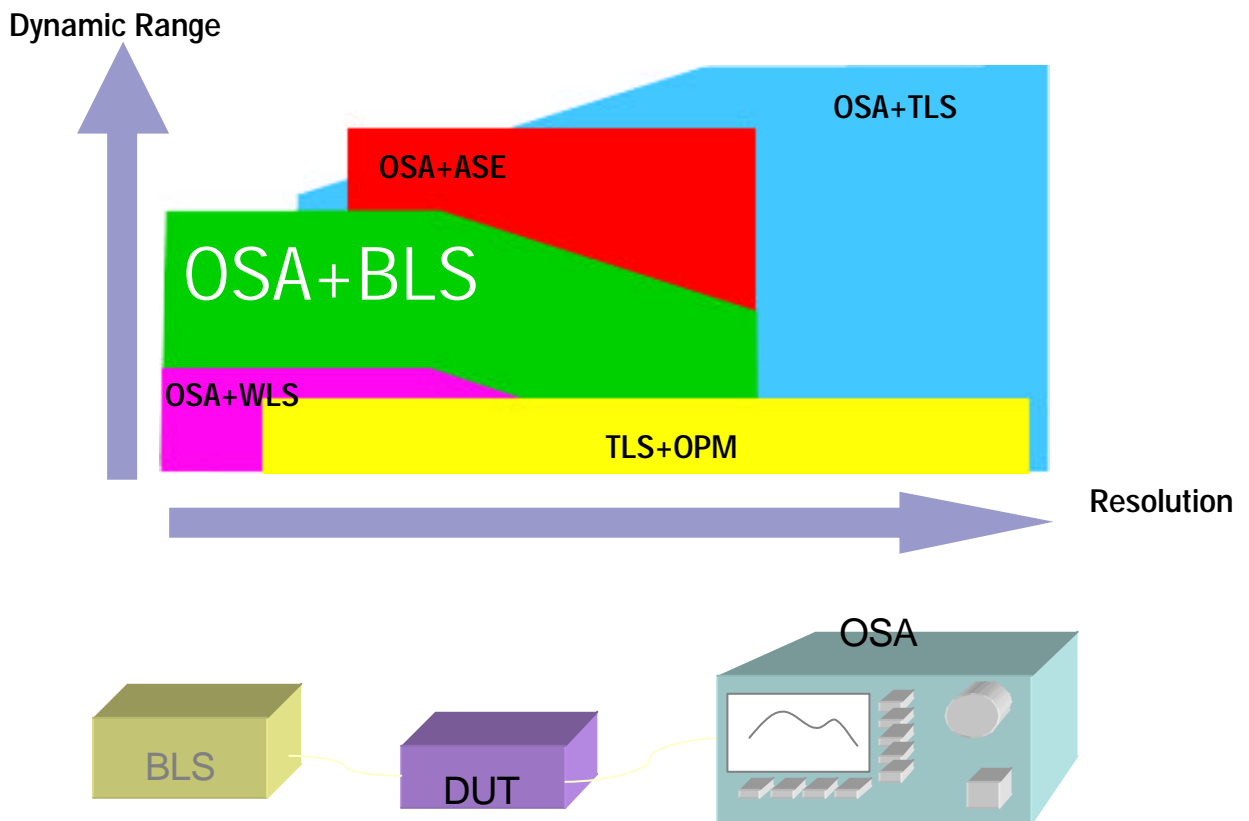
Broad band spectral range

Customer selectable (Single wavelength to multi-wavelength)

Output power density over -25dBm (Typical, from 1250~1650nm)



Dynamic Range & Wavelength



Faztec BLS offer enough power along the spectrum to measurement IL, RL, PMD, Uniformity et al. To combine with OSA (optical spectrum analyzer) you can easily to measure you passive component even in lab & production line.



Specification

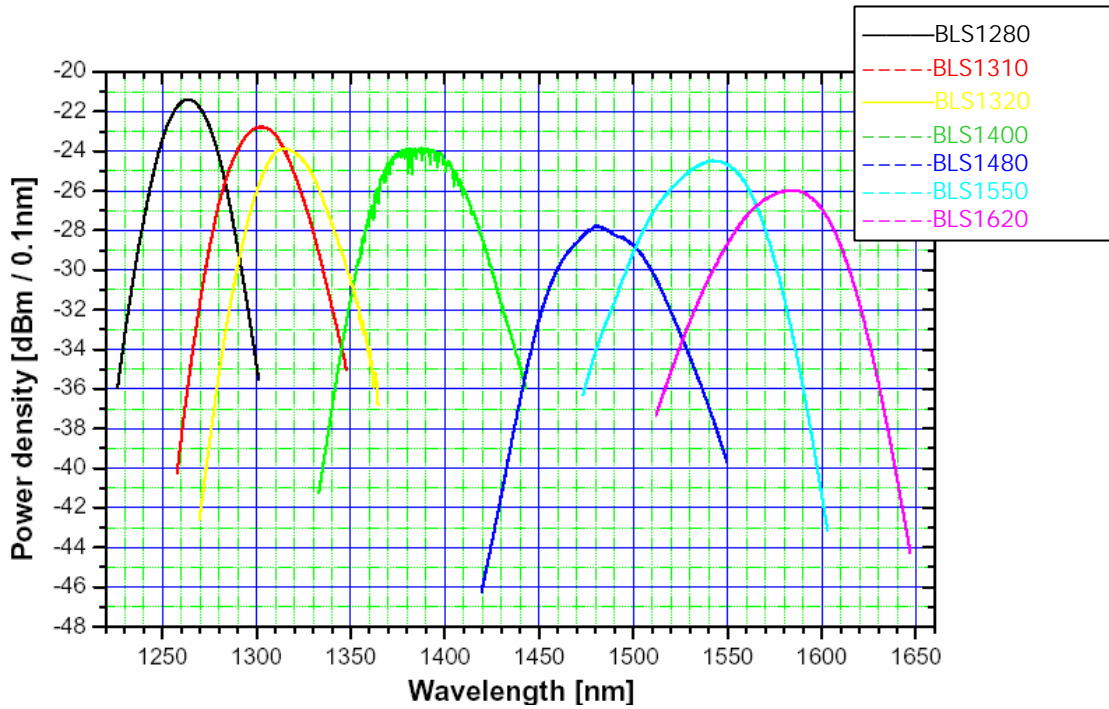
Optical	Unit	BLS0980A	BLS1310A	BLS1550A
Operating wavelength	nm	980±15	1310±40	1510 to 1620
Total output power	dBm	> 0	> 0	> 0
Output spectral density	dBm/nm	> -25(Typ.)	> -30(Typ.)	> -30(Typ.)
Output power stability	dB	< ±0.05	< ±0.03	< ±0.03
Optical connector		FC/PC		
Electrical				
Supply voltage		110/220Vac ±10%, 50/60Hz ±5%		
Power consumption	W	< 15		
Environmental				
Operating temperature	°C	0 to 50		
Storage temperature	°C	-20 to 65		
Relative humidity	%	90		
Mechanical				
Dimension (W×H×D),mm	mm	200x40x280		

Optical	Unit	BLS1400	BLS1480	BLS1620
Operating wavelength	nm	1400±20	1480±40	1620± 20
Total output power	dBm	> 0	> 0	> 0
Output spectral density	dBm/nm	> -30(Typ.)	> -30(Typ.)	> -30(Typ.)
Output power stability	dB	< ±0.03	< ±0.03	< ±0.03
Optical connector		FC/PC		
Electrical				
Supply voltage		110/220Vac ±10%, 50/60Hz ±5%		
Power consumption	W	< 15		
Environmental				
Operating temperature	°C	0 to 50		
Storage temperature	°C	-20 to 65		
Relative humidity	%	90		
Mechanical				
Dimension (W×H×D),mm	mm	200X40X280		

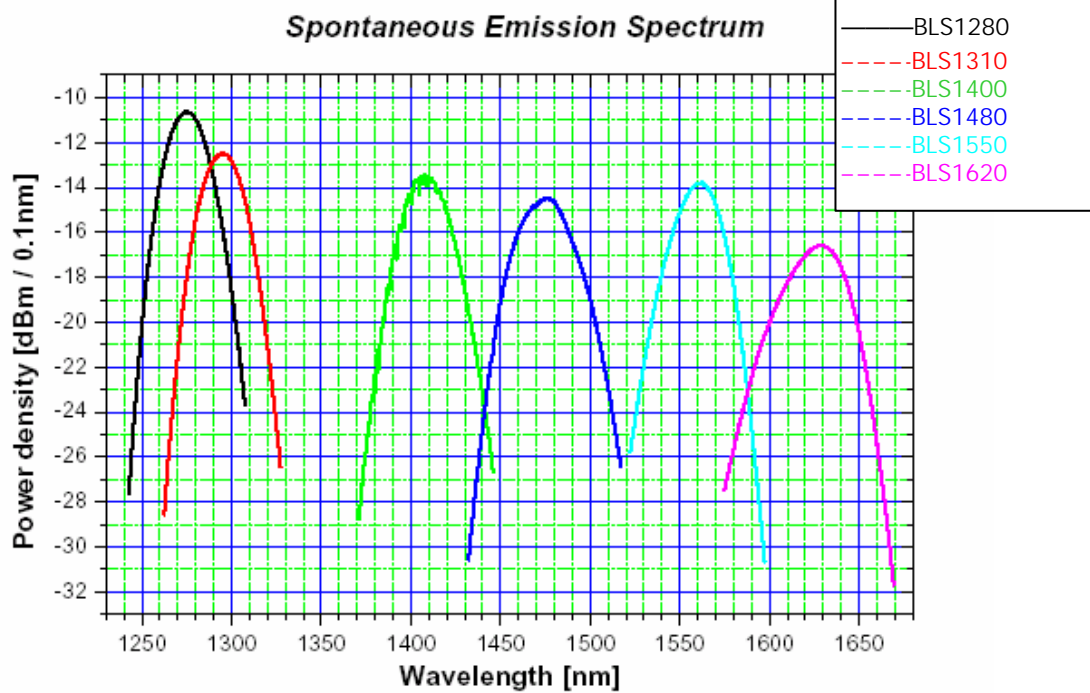


Optical	Unit	BLS1280A	BLS1320A	BLS1217A
Operating wavelength	nm	1280±15	1320±40	1270~1650
Total output power	dBm	> 0	> 0	> 5
Output spectral density	dBm/nm	> -25(Typ.)	> -30(Typ.)	> -30(Typ.)
Output power stability	dB	< ±0.05	< ±0.03	< ±0.03
Optical connector		FC/PC		
Electrical				
Supply voltage		110/220Vac ±10%, 50/60Hz ±5%		
Power consumption	W	< 15		
Environmental				
Operating temperature	°C	0 to 50		
Storage temperature	°C	-20 to 65		
Relative humidity	%	90		
Mechanical				
Dimension (W×H×D),mm	mm	200x40x280(400x40x280 for BLS1217)		

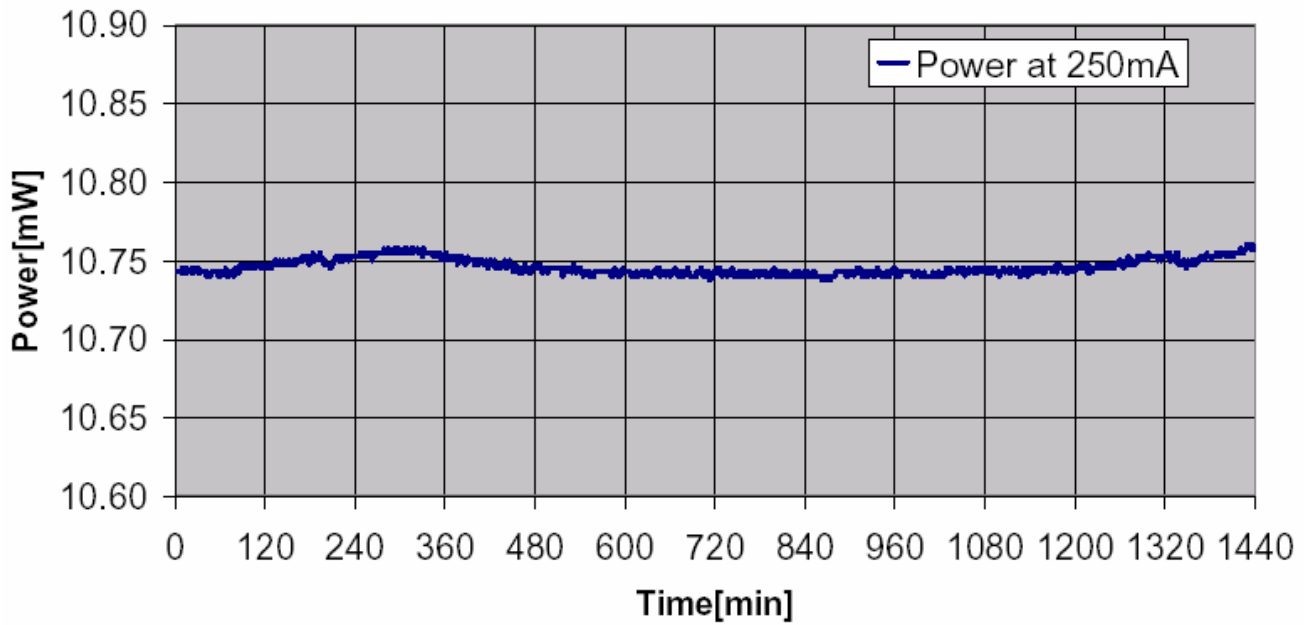
Optical	Unit	BLS-CD		DFB-CD
Operating wavelength	nm	Selectable 980/1280/1310/ 1320/1400/1480 /1550/1620	O/W	1480~1620nm (selected by ITU Grid, S+C+L band, can be selected by 0.1nm step)
Total output power	dBm	> 5	O/P	> 10
Output spectral density	dBm/nm	> -30(Typ.)	SMSR	40dB(Typ)
Output power stability	dB	< ±0.03		< ±0.02
Optical connector		FC/PC		
Electrical				
Supply voltage		110/220Vac ±10%, 50/60Hz ±5%		
Power consumption	W	< 15		
Environmental				
Operating temperature	°C	0 to 50		
Storage temperature	°C	-20 to 65		
Relative humidity	%	90		
Mechanical				
Dimension (W×H×D),mm		400X40X280		



General output power spectrum



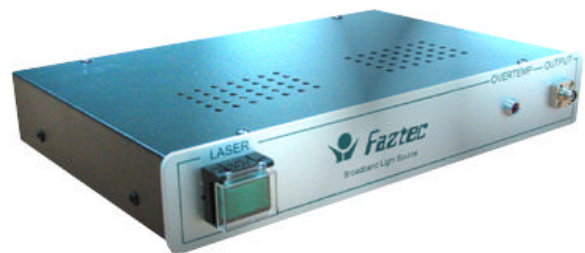
High output power Spectrum



Power Stability (BLS1550)



BLS1217 (Combination Case)



BLS980~BLS1620 (Small Case)

Product Outlook



BLS Order Information

Option	Description
BLS980	Center in 980nm
BLS1280	Center in 1280nm
BLS1310	Center in 1310nm
BLS1320	Center in 1320nm
BLS1400	Center in 1400nm
BLS1480	Center in 1480nm
BLS1550	Center in 1550nm
BLS1620	Center in 1620nm
BLS1217	From 1270nm to 1650nm
BLS-CD	By customer design
DFB-CD	DFB Laser by ITU grid
SC	Small case For single wavelength used
CC	Combination case For BLS-CD/BLS1217 used
Warranty	
EW	Extend Warranty 2 yrs

Faztec Optronics Corp
TEL:886-3-4698288
FAX:886-3-4698286
www.faztec.com.tw
sales@faztec.com.tw

1, Kong Yeh 11 Rd, Ping Jen Industrial Area, Tao Yuan, Taiwan