

**[OEBS-100]**

(ASE based)

## Broadband Light Sources (1.5 $\mu\text{m}$ )

### Features:

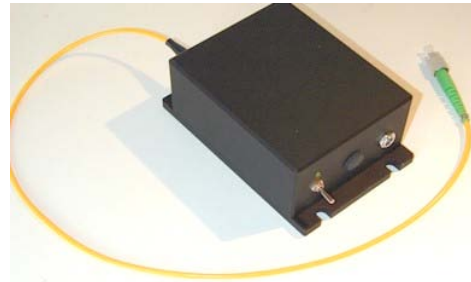
- Wide wavelength range
- High power ASE
- Low noise
- Turn-key/ OEM versions
- Cost effective solution



OEBS-100 Turn Key

### Applications:

- FBG sensor interrogation
- Polarization measurement
- Components/modules testing
- Optical Fiber Sensors
- Biomedical Applications

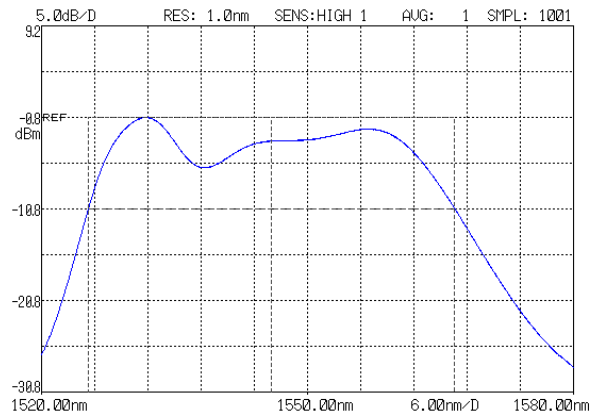


OEBS-100 OEM

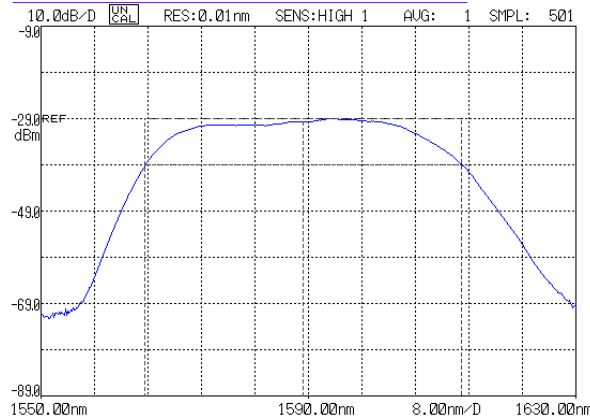
### Product description:

OEBS-100 is a Broadband Light Sources (CW) based on the Amplified Spontaneous Emission (ASE) principle that uses a laser to pump Er-doped fiber. There are different models that operating in 1520-1620 nm range. This is an extra-stable fiber-optic light source ideal for FBG sensor interrogation system or component testing. This product comes in two versions: Turn-Key and OEM. The low-cost OEM version can be fitted inside your products which simply needs a 5V power supply.

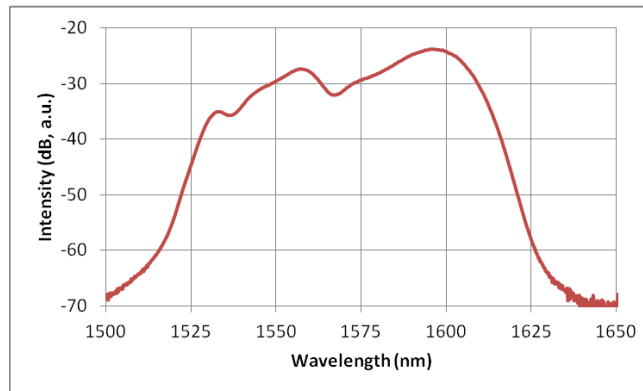
Parameter	Unit	1.5 $\mu\text{m}$		
Center WL	nm	1550 (C)	1590 (L)	1560 (CL)
Bandwidth (-10 dB)	nm	> 40	> 40	> 80
Output power	mW	> 30	> 10	> 10
Power stability	dB		< 0.05	
Polarization state	-	Random, Linear		
Output fiber type	-	SMF28e+, PM1550		
Connector	-	FC/APC, Custom		
Operating temperature	$^{\circ}\text{C}$	10-50		
Dimensions (OEM)	$\text{mm}^3$	50x90x100		
Dimensions (Turn key)	$\text{mm}^3$	70 x 190 x 310		



OEBS-100-1550 (C band)



OEBS-100-1590 (L band)



OEBS-100-1560 (CL band)

Ordering number:

OEBS-100-WL-P-XXX:	WL	P	XXX
	C: 1550 L: 1590 CL:1560	Average power (mW)	TRK: Turn-key OEM
Example:	OEBS-100-C-40-TRK		