

**[OEBSL-100]**

(ASE based)

## Broadband Light Sources (1 $\mu\text{m}$ )

**Features:**

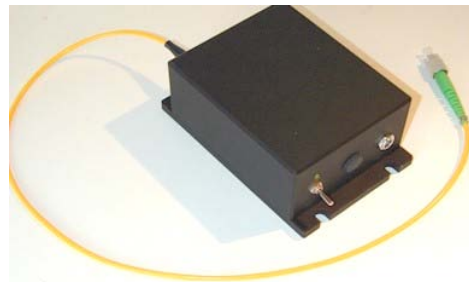
- Wide wavelength range
- High power ASE
- Low noise
- Turn-key/ OEM versions
- Cost effective solution



OEBSL-100 Turn Key

**Applications:**

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

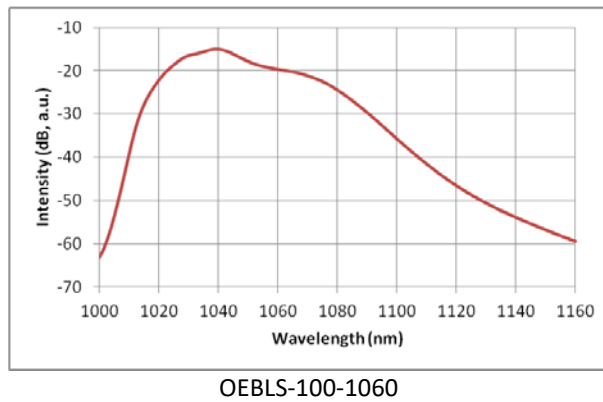
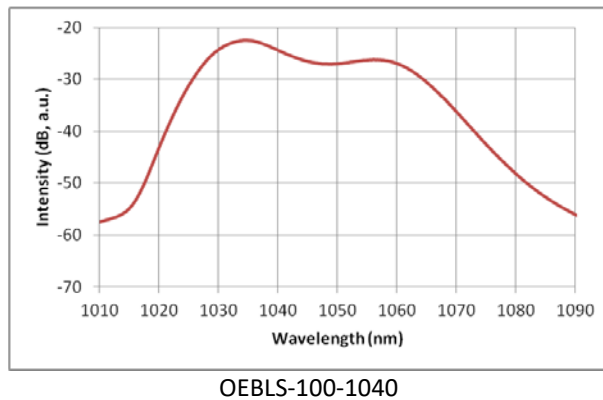
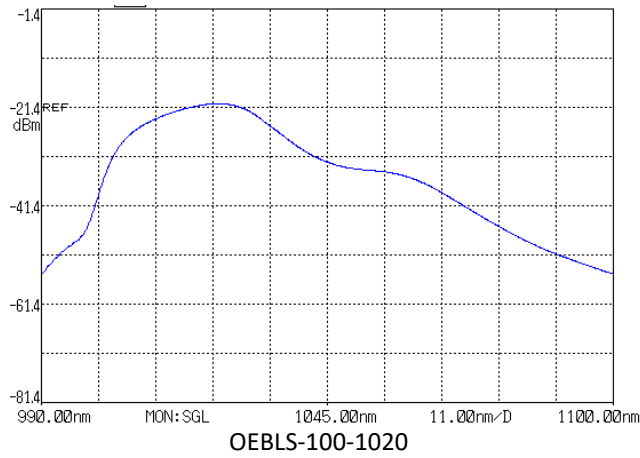


OEBSL-100 OEM

**Product description:**

OEBSL-100 is a Broadband Light Sources (CW) based on the Amplified Spontaneous Emission (ASE) principle that uses a laser to pump Er/Yb doped fiber. There are different models that operating in 1020-1060 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 $\mu\text{m}$		
		1020	1040	1060
Center WL	nm	1020	1040	1060
Bandwidth (-10 dB)	nm	> 30	> 40	> 40
Output power	mW	> 5	> 10	> 10
Power stability	dB	< 0.05		
Polarization state	-	Random, Linear		
Output fiber type	-	Hi 1060, PM980		
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		



Ordering number:

OEBSL-100-WL-P-XXX:	WL	P	XXX
	1020 1040 1060	Average power (mW)	TRK: Turn-key OEM
Example:	OEBSL-100-1060-40-TRK		