

**[OEBS-100]**

(ASE based)

## Broadband Light Sources (2 $\mu\text{m}$ )

### Features:

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



OEBS-100 Turn Key

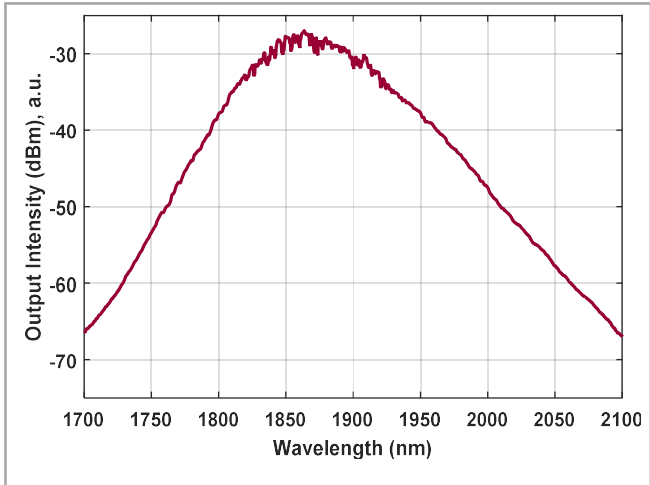
### Applications:

- FBG sensor interrogation
- Polarization measurement
- Components/modules testing
- Optical Fiber Sensors
- Optical Mid Infrared Signal Detection
- Biomedical Applications

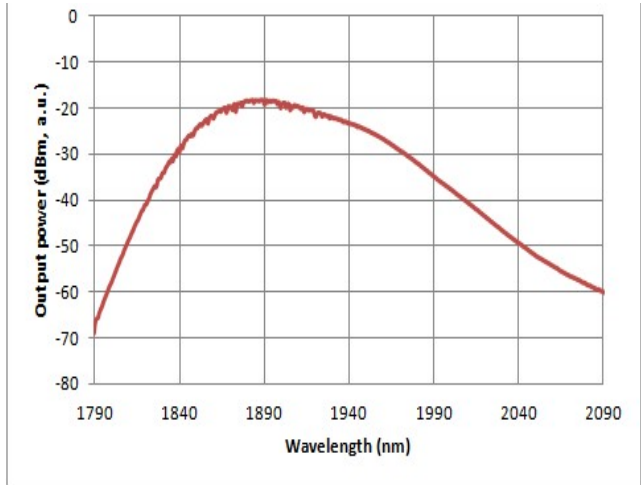
### Product description:

OEBS-100 is a Broadband Light Sources (CW) based on the Amplified Spontaneous Emission (ASE) principle that uses a laser to pump Tm-doped fiber. There are different models that operating in 1800-2150 nm range. The mid-infrared (MIR) broadband light source with output power from a few mW to few hundreds of mW can be used for testing mid infrared optical components, gas sensing as well as biomedical applications.

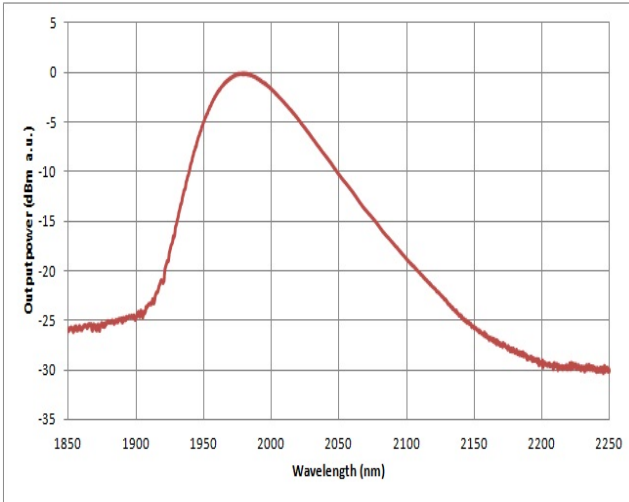
Parameter	Unit	2 $\mu\text{m}$				
Center WL	nm	1850	1900	1950	2000	2070
Bandwidth (-10 dB)	nm	>80	> 90	> 90	> 90	> 60
Output power	mW	Up to 100				
Power stability	%	5				
Polarization state	-	Random				
Output fiber type	-	SMF-28 ,SMF2000				
Connector	-	FC/APC, Custom				
Operating temperature	$^{\circ}\text{C}$	10-50				
Dimensions (Turn-key)	$\text{mm}^3$	70 x 190 x 310				



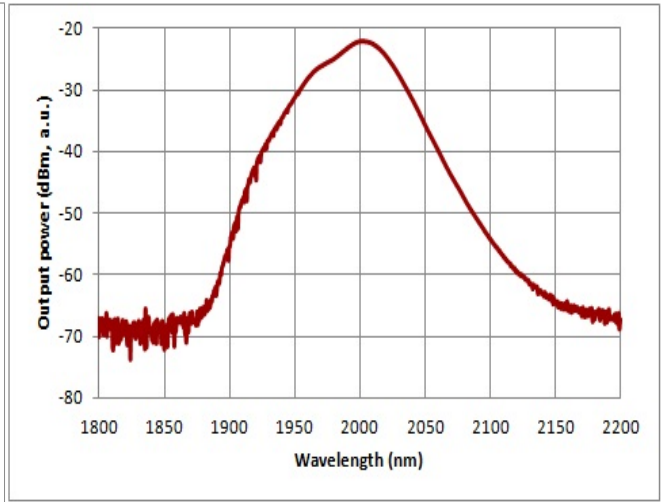
OEBS-100-1850



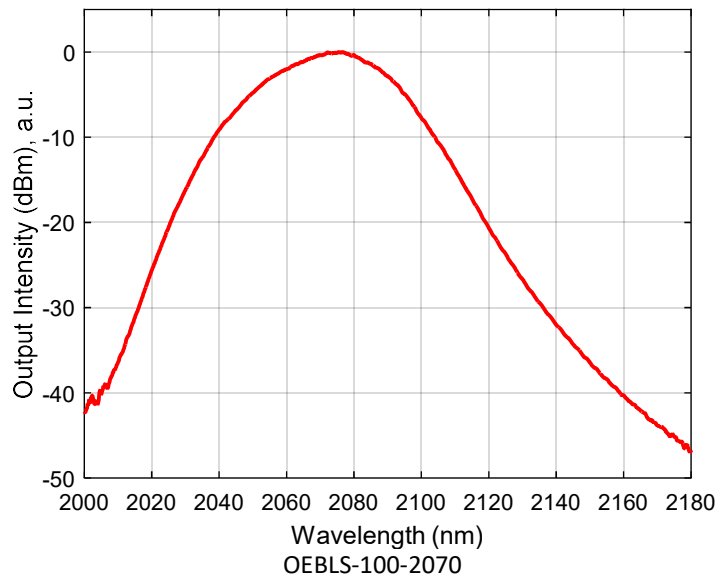
OEBS-100-1900



OEBS-100-1950



OEBS-100-2000



OEBS-100-2070

Ordering number:

OEBS-100-WL-P:	CWL (nm)	P (mW)
	Center Wavelength	Total power
Example:	OEBS-100-2000-20	