

[OEBS-100]

(ASE based)

## Broadband Light Sources (2.95 $\mu\text{m}$ )

### Features:

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



OEBS-100

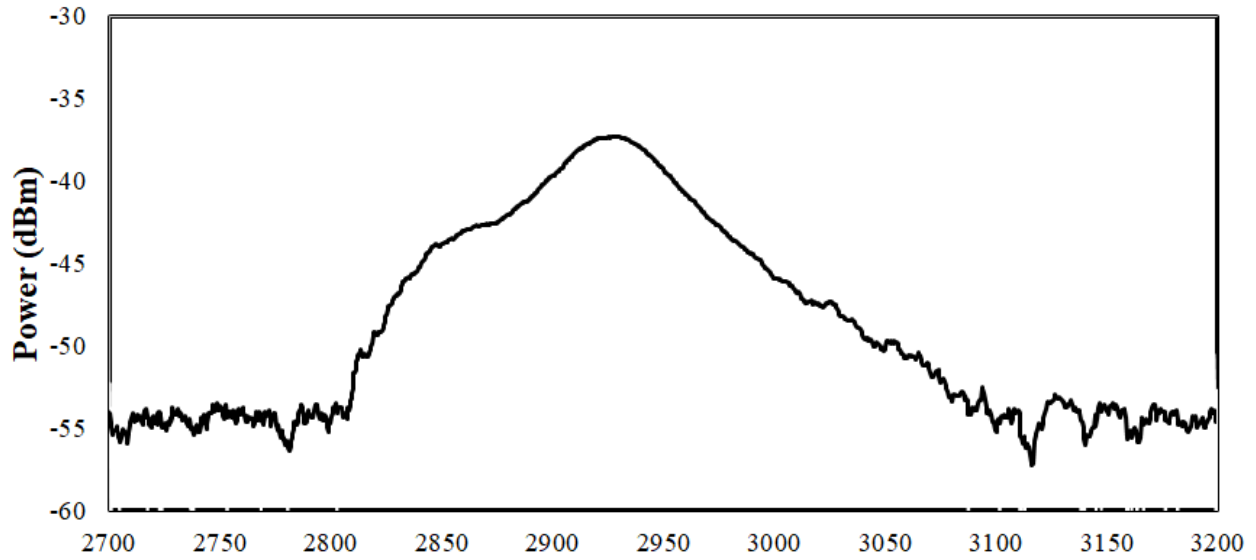
### Applications:

- 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 Dy3-ZBLAN fiber operating in 2950 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	2.95 $\mu\text{m}$
WL range	nm	2.8-3.1
Bandwidth (-10 dB)	nm	~ 200
Output power	mW	100
Spectral density	mW/nm	0.5
Polarization state	-	Random
Output fiber type	-	SM-ZBLAN, Free space
Connector	-	FC/APC, Collimated beam
Operating temperature	$^{\circ}\text{C}$	10-50
Dimensions (Turn-key)	$\text{mm}^3$	160x320x370



**Wavelength (nm)**

OEBSL-100-2950

Ordering number:

<b>OEBSL-100-WL-P-XXX:</b>	WL	P
	2950	Average power (mW)
Example:	OEBSL-100-2950-50	