CW Supercontinuum Light Source

Description

The new continuous supercontinuum light source from O/E Land inc. is available now with model number OESCS-100**.** OESCS-100 **is a continuous fiber optic light source with a more than 500nm bandwidth with high output power up to one watt. With our advanced fiber laser technology, the** OESCS-100 **covers from 1480 nm to 2000 nm with high density power level. Unlike other supercontinuum light source pumped by pulsed laser diode,** OESCS-100 **is powered by continuous pump laser with continuous, highly stable output spectrum.**

Key Features

- **Continuous Ultra-Broadband Light Source**
- **Spectral Range: 1480 – 2000 nm**
- **Total Output Power up to 1 watt**
- **Turn-key Solution**
- **Cost Effective**
- **A Single Fiber Output**

Applications

- **White Light Interferometry**
- **Optical Component Test**
- **Fiber and Grating characterisation**
- **Optical Coherence Tomography**
- **Bio-medical**
- **ASE-Alternative**

Specifications

Optical Parameters

Spectral Bandwidth	1480nm – 2000 nm
Total Output Power	500mW
Spectral Density	> 1 mw/nm
Average Power Stability	+/- 0.2 dB

Mechanical Parameters

Operating temperature	10 to 30°C
Storage temperature	5 to 45°C
Physical Dimensions (H x L x D)	157 x 343 x 400 mm
Output Fiber Type	SMF-28
Connector Type	FC/APC

Continuous Supercontinuum Light Source Spectrum

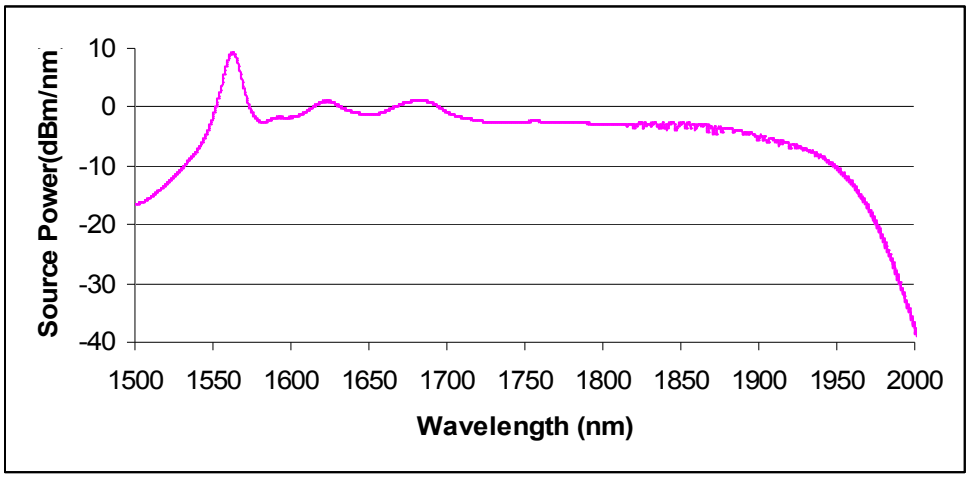

Figure 1. Source spectrum

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