

ARTISAN®
TECHNOLOGY GROUP

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Find the *Exfo / NetTest / Photonetics OSICS* at our website: *Click HERE*



Description

Osics ASE Modules

The Osics ASE modules feature broadband sources based on the Amplified Spontaneous Emission (ASE) of an Erbium-doped fiber. An internal proprietary spectral shaping provides two versions: ASE-SP and ASE-IN.

Osics DFB Modules

The Osics DFB modules are high-performance Distributed Feed Back laser diodes. The user-defined wavelengths can be chosen on the ITU-T grid in the C- or L-band. Osics DFB offers more than +13 dBm of optical power coupled in a polarization maintaining fiber (except for module 1310) with a remarkable 5 pm wavelength stability over one hour.

Osics ECL Modules

The Osics ASE modules feature broadband sources based on the Amplified Spontaneous Emission (ASE) of an Erbium-doped fiber. An internal proprietary spectral shaping provides two versions: ASE-SP and ASE-IN.

Osics EDFA Module

Osics EDFA (Erbium-Doped Fiber Amplifier) module is the 1.55 mm window to plug into the Osics mainframe. High saturated output power +17 dBm, low noise figure 4.5 dB type.

Features

Osics ASE Modules

- Full automatic control: Optical power can be selected and controlled from the front panel of the instrument, or through IEEE-488 and RS-232 interfaces
- C-band coverage: Up to +15 dBm output power with +0.015 dB stability
- Mix and match: Osics allows you to combine different features in one single instrument.

Osics DFB Modules

- Full automatic control: Both the wavelength and optical power can be selected and controlled from the front panel of the instrument, or through IEEE-488 and RS-232 interfaces
- High performance: The standard configuration features a 1 pm resolution and a 13 dBm output power. In addition, the modules and the mainframe offer a full suite of internal and external modulation capabilities Brillouin effect suppression function
- Mix and match: Osics DFB modules can be mixed with ECL laser modules to provide a convenient and versatile multi-wavelength sources.
- Osics can also host Osics ASE, amplified spontaneous emission fiber source modules and Osics EDFA, erbium-doped fiber amplifier modules

Osics ECL Modules

- Full automatic control: Both the wavelength and optical power can be selected and controlled from the front panel of the instrument, or through IEEE-488 and RS-232 interfaces.
- High performance: The standard configuration features a 10 pm resolution and a 0 dBm output power ranging from either 1440 to 1520 nm, 1480 to 1560 nm, 1520 to 1600 nm, or 1560 to 1640 nm. In addition, the modules and the mainframe offer a full suite of internal and external modulation capabilities.
- High power options Options include a +6 dBm or +10 dBm output power.
- High resolution:1 pm resolution over the entire spectral range.
- Mix and match: Osics ECL modules can be mixed with DFB laser modules to provide a convenient and versatile multi-wavelength sources.
- Osics can also host Osics ASE, amplified spontaneous emission fiber source modules &Osics EDFA, erbium-doped fiber amplifier modules

Osics EDFA Module

- High-performance Erbium-Doped Fiber Amplifiers that operate in the 1.55 mm spectral window.
- Single pump version offers a remarkable +17 dBm of saturated output power.
- Pumping configuration (using 980 nm pump-diode) provides a low 4.5 dB (typ.) noise figure, regardless of signal and pump power levels.

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