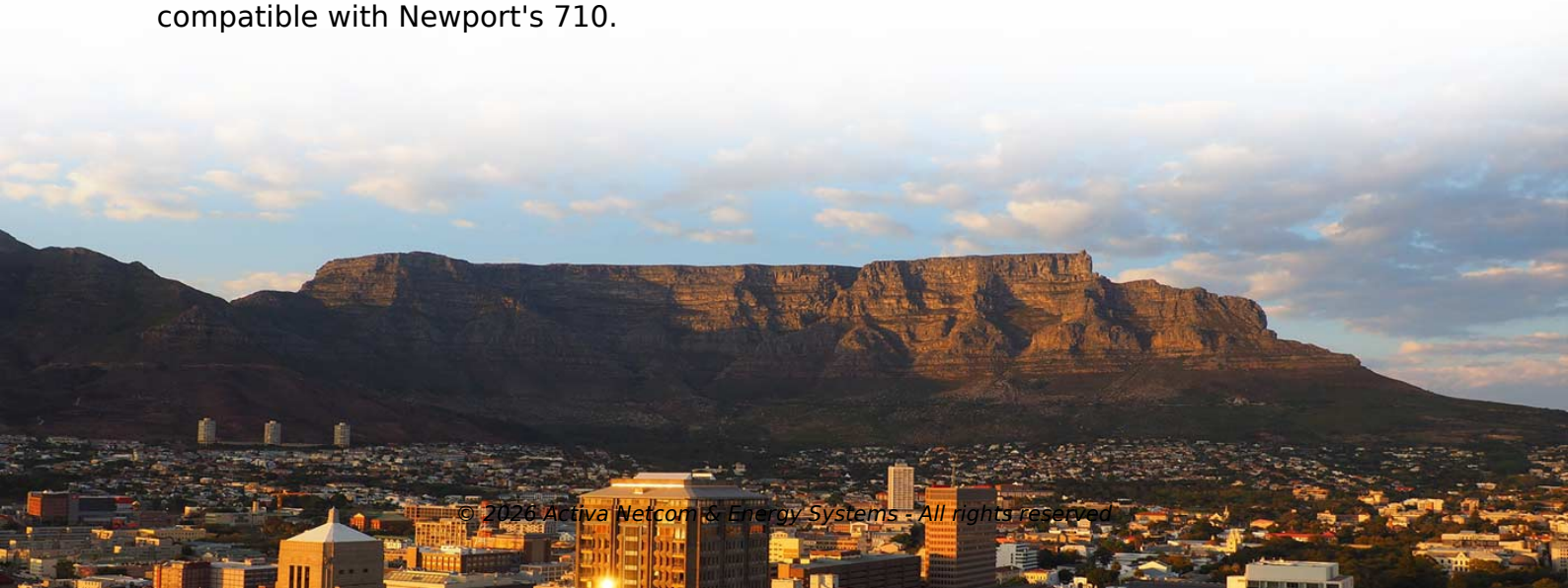
Activa Netcom & Energy Systems

1310nm light emission module

Overview

A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O-band (1260–1360 nm), it balances low dispersion, stable performance, and cost efficiency. This makes it widely adopted in data centers, enterprise backbones, and metro access. Conduction-cooled single bars are well introduced in the market and are an industry standard in terms of size and footprint. At Coherent, these laser bars are available in a very wide range of wavelengths and powers, with optional beam shaping such as fast-axis collimation, both-axis collimation. Wavelengths of 1310 nanometers are integral to advanced telecommunications, medical imaging, environmental sensing, and scientific research, delivering stable, low-dispersion light suitable for both long- and short-range optical applications. To minimize the laser linewidth and relative intensity noise (RIN), these lasers include drive. The FP-1310-5I-xxx is an MOCVD grown InAlGaAs ridge laser diode with emission wave-length of 1310 nm and standard continuous light output of 5 mW per facet. These are hermetically sealed devices with an integrated monitor photodiode. The LD-1310-31B Fiber Coupled Laser Diode consists of Fabry-Perot lasers, having a fiber pigtail precisely attached for optimum coupling efficiency. 5 mW of output power and includes a back facet photodiode. It is compatible with Newport's 710.



Article Content

1310nm_Fabry-Perot_FP_Laser_Diode_LC_TOSA_FP-1310-4I-LCX

The FP-1310-4I-LCx is an MOCVD grown InAlGaAs ridge laser diode with emission wave-length of 1310 nm and standard continuous light output of 5mW per facet. These lasers provide stable, single

10Gbps EML Module, Multiplex MTX310EW, 1310nm Electro

The MTX310EW electro-absorption modulated laser (EML) module consists of a multi-quantum-well DFB laser device with 1310nm nominal emission and a monolithically integrated electro-absorption

ASE Light Source

For fiber optic designers seeking to exploit the 1310-nm low-dispersion window, Molecular OptoElectronics Corp. offers a broadband light source for multiwavelength test and measurement.

FP-1310-5I-XXX-Laser-Diode-Pigtailed-Package-Data-Sheet

The FP-1310-5I-xxx is an MOCVD grown InAlGaAs ridge laser diode with emission wave-length of 1310 nm and standard continuous light output of 5 mW per facet. These lasers provide stable, single

LD-1310-31B Laser Diode

The LD-1310-31B Fiber Coupled Laser Diode consists of Fabry-Perot lasers, having a fiber pigtail precisely attached for optimum coupling efficiency. This 1310 nm

1310nm Fiber Laser

1310nm Fiber Laser 1310nm fiber laser light source adopts DFB semiconductor laser chip, single-mode optical fiber output, professionally designed driving circuit and TEC control to ensure laser safety and

1310nm DFB Butterfly Laser Module

1310nm DFB Butterfly Laser Module 1310nm DFB Butterfly Laser Module Features • High linearity Direct Modulation DFB Laser • Emission wavelength 1310 nm • Built-in Isolator, TEC, Thermistor and

1310 nm Pulse Laser Diode, InGaAs Strained, Up to

The Optilab LD-1310P-DL is a high-power pulse laser diode has been designed as a light source for pulsed fiber lasers and CW applications. It is mostly utilized in

Applications of 1310nm Optical Modules in Modern Networks

In modern telecommunications, 1310nm Transceivers are often used for backhaul (or “bearer”) links in 5G networks, transporting high-bandwidth traffic between cell towers and

SINGLE BAR DIODE LASER MODULE

SINGLE BAR DIODE LASER MODULE 1310 nm, 25 W, Conduction-Cooled, CW Conduction-cooled single bars are well introduced in the market and are an industry standard in terms of size and footprint.

1310nm Laser Diodes, Comb, Fabry–Perot Lasers, SOA, Gain Chips

Superluminescent diodes at 1310 nm, offering broad-spectrum, low-coherence output, are optimized for OCT and imaging systems where reduced speckle noise and enhanced penetration depth are crucial.

1310nm Lasers and Laser Diode Modules | RPMC Lasers Inc

What are 1310nm Lasers? 1310nm IR laser diodes and IR laser modules are available with both single-mode and multi-mode beam profiles. They have either free space or fiber coupled outputs. The diode

1310nm SLED Broadband light source-DFB laser | SLED Module

1310nm SLED Broadband light source The 1310nm SLED wide-spectrum light source is used in distributed optical fiber sensing systems, passive device testing, and spectral analysis.

CW1310-005

This laser module emits highly concentrated invisible light which can be hazardous to the human eye and skin. It is classified as CLASS 3R laser product according to IEC 60825-1 and 21 CFR Part

1310nm 100KHz PM DFB Narrow linewidth laser diode

LD-PD DFB laser has the characteristics of ultra-low RIN noise, ultra-narrow linewidth and high output optical power. It is widely used in vehicle-mounted laser radar, optical fiber sensing detection system

Contact Us

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