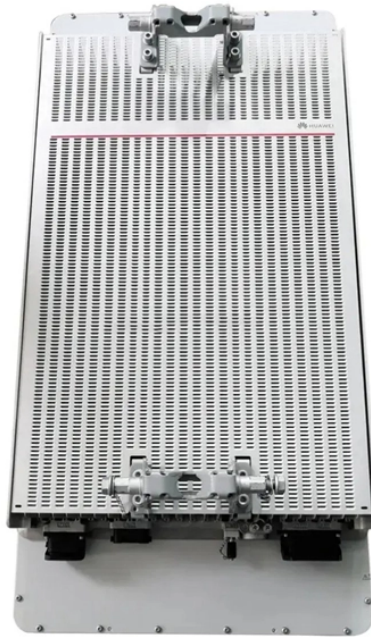


## Delivery Date DFB Distributed Feedback Laser 100G



### Overview

POET Technologies' subsidiary DenseLight Semiconductors will now be starting sampling high-power, continuous wave 1310 nm Distributed Feedback (DFB) lasers for 100G Silicon Photonics applications early in the fourth quarter of 2017. A distributed feedback laser is type of semiconductor laser utilizes the Bragg reflection of a diffraction grating along an active waveguide to consolidate the laser's longitudinal mode. This design ensures elevated wavelength stability and a narrow linewidth. The structure builds a one-dimensional interference grating (Bragg scattering), and the. The MAOD-1xxD25G-LCT2 Series products are directly modulated 25Gbps CWDM distributed feedback (DFB) laser diode chips. Product is available as tested die. Typical geometrical sizes of the laser chip are  $1000\mu\text{m} \times 500\mu\text{m} \times 200\mu\text{m}$  (length x width x height). The laser chip is grown by MOVPE of compound semiconductor material.

## Delivery Date DFB Distributed Feedback Laser 100G



Discover SemiNex''s high-power and stable Distributed Feedback Lasers in C-band and O-band wavelengths for LiDAR, optical communications, and data centers. Customizable options available ...



Explore 26 top manufacturers and suppliers of Distributed Feedback Lasers in our comprehensive photonics buyers'' guide. A distributed feedback laser is a type of semiconductor laser diode ...



The front facet of the laser chip is provided with a high quality antireflection coating for avoiding the Fabry Perot modes of the laser chip. Distributed Feedback (DFB) Diode Lasers are available at ...



These DFB lasers are designed for mode-hop-free, continuous current tuning from 15 °C to 35 °C. These diodes can be both temperature and current tuned to achieve the desired operating ...



The MAOD-1xxD25G-LCT2 Series products are directly modulated 25Gbps CWDM distributed feedback (DFB) laser diode chips. These products utilize a patented Etched Facet Technology enabling high ...



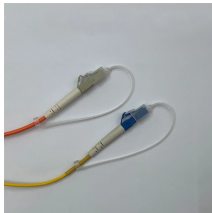
A distributed-feedback laser (DFB) is a type of laser diode, quantum-cascade laser or optical-fiber laser where the active region of the device contains a periodically structured element or diffraction grating.



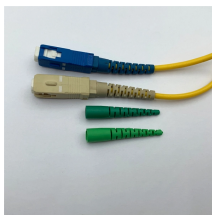
Our Distributed Feedback (DFB) Lasers provide single-frequency output with unparalleled wavelength stability, ideal for gas sensing/molecular spectroscopy, LIDAR, and telecom.



This page describes our DFB-LD (Distributed Feedback Laser Diode) products suitable for applications such as fiber sensing, 3D sensing, and gas sensing.



Distributed Feedback Lasers (DFB) from Innolume ensure high wavelength stability and narrow linewidth. Covering 780-1350 nm, they feature a proprietary chip design.



POET Technologies' subsidiary DenseLight Semiconductors will now be starting sampling high-power, continuous wave 1310 nm Distributed Feedback (DFB) lasers for 100G Silicon ...

## Contact Us

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