

DFB Distributed Feedback Laser Silicon Photonics Three-Year Warranty

In this work, we fabricated QD LC distributed feedback (QD-LCDFB) lasers grown directly on silicon by molecular beam epitaxy (MBE). By employing shallow etched LC gratings on both sides ...

We present a fully assembled, low-cost, hybrid-integrated distributed feedback (DFB) III-V laser bonded in an on-chip trench of a silicon photonic integrated circuit (PIC).

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.

Coherent announced today the launch of new high-efficiency continuous wave (CW) distributed feedback (DFB) lasers, specifically engineered for silicon photonics transceiver modules.

We report here, for the first time, an electrically-pumped, room-temperature, continuous-wave (CW) and single-mode distributed feedback (DFB) laser array fabricated in InAs/GaAs quantum-dot (QD) gain ...

We demonstrate the latest single-frequency Distributed Feedback (DFB) lasers heterogeneously integrated in an open market silicon photonics platform PH18DA at Tower Semiconductor.

A Distributed-Feedback (DFB) laser is defined as a single-wavelength laser that utilizes a Bragg grating for single-wavelength filtering, enabling narrow spectral width and reduced dispersion, making it ...

Here we demonstrate quantum cascade DFB lasers heterogeneously integrated with silicon-on-nitride-on-insulator (SONOI) waveguides. These lasers emit over 200 mW of pulsed power at room ...

An electronically tunable distributed feedback (DFB) laser heterogeneously integrated on a silicon photonics platform is experimentally demonstrated. Tuning is achieved through carrier ...

Thorlabs' single-frequency laser portfolio includes a wide variety of distributed feedback (DFB) lasers. We design and manufacture low-noise DFB laser systems in a turnkey platform with a center ...

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