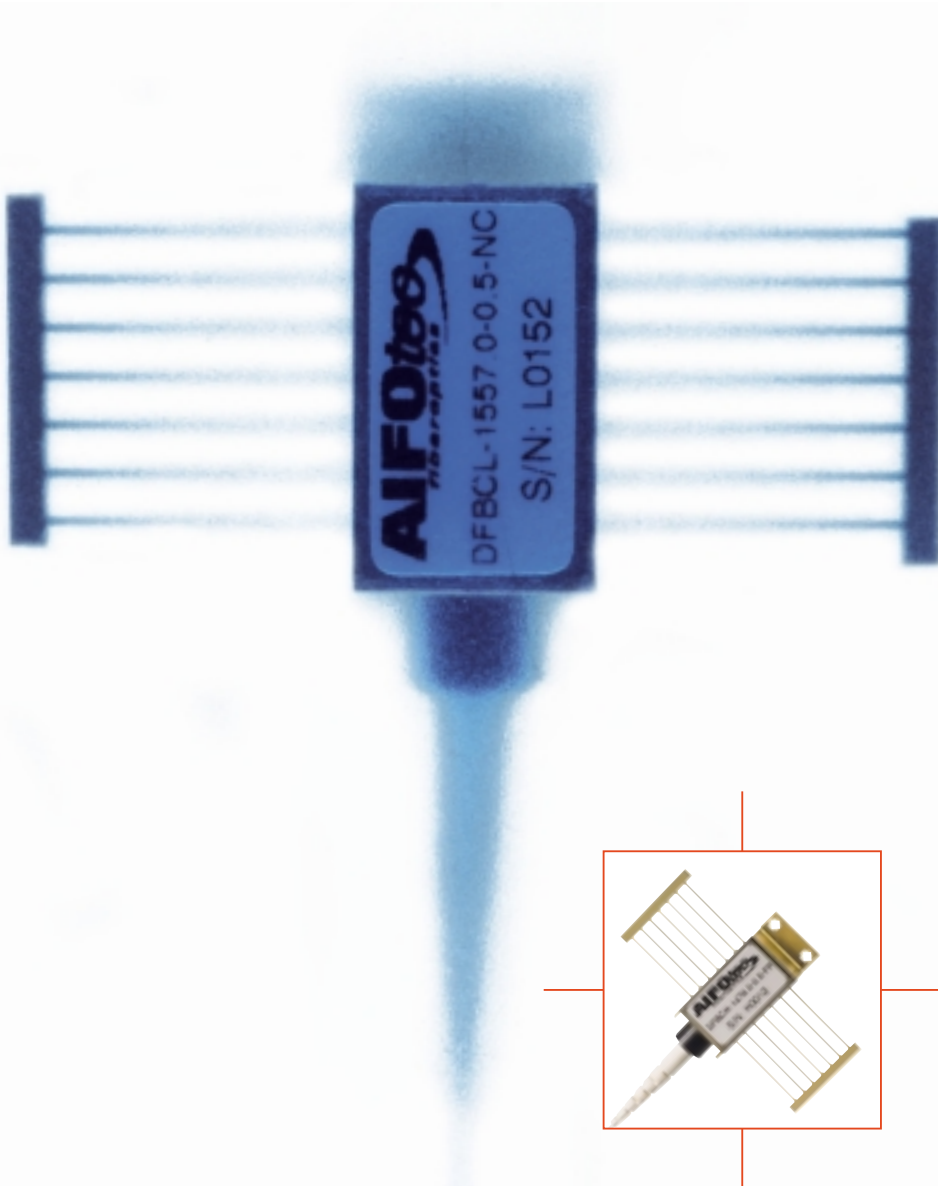


DFB Laser Diode for C-WDM

The cooled coax DFB-LD (Distributed Feedback Laser Diode)



Discription

- The cooled DFB-LD has a gain coupled, Multi-Quantum-Well structure (InGaAsP/InP) within a hermetically sealed subcomponent.
- By means of a thermoelectric cooler the emission wavelength and output power is stabilized over a wide temperature range. The 14 pin Butterfly package includes a bias T for direct modulation. Two versions are available: for low speed applications up to 1.063 GBit/s (Fiber Channel) and for high speed applications up to 2.488 GBit/s (STM-16 resp. OC-48).
- The cooled DFB-LD is thus especially well suited for low cost applications in C-WDM fiber-optic networks.

Key-Features

- Low cost applications in C-WDM fiber-optic networks
- Thermoelectric cooler
- Direct modulation up to 2.488 GBit/s
- Multi-Quantum-Well structure (InGaAsP/InP)
- Hermetically sealed subcomponent
- Qualified acc. to Bellcore 468

