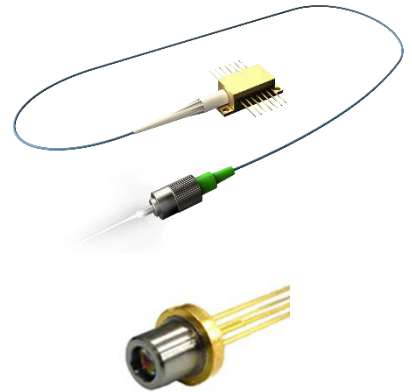


Distributed Feedback Laser (DFB) Optical Spectral Engine (OSE3)

DAYY Photonics Corporation Distributed Feedback Laser (DFB) product family covers a large selection of wavelengths ranging from 1530nm-1610nm. Center wavelengths covering the full ITU grid for DWDM systems are covered. The DFB laser module is also ideal for gas detection applications such as tunable diode laser spectroscopy or cavity ring down spectroscopy.

Our light source product family comes in a hermetically sealed 14-pin butterfly package or TO-Can package style. The laser diodes contains thermoelectric cooler (TEC), thermistor, monitor photodiode and optical isolator to secure high quality laser performance.

The light source meets Telcordia GR-468 standard and is RoHS/Reach compliant.



KEY FEATURES

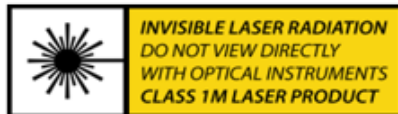
- High-performance, multi-quantum well (MQW) distributed-feedback (DFB) laser chip
- Center Wavelengths ranging from 1530nm – 1610nm
- Center Wavelength tolerance: CW +/- 0.2nm
- Linewidths (FWHM): Typical 1-3Mhz
- High output power(≥10mW)
- Light output: FC/APC Connector (Optional FC/PC or SMA)
- Product family Covers full ITU grid for 100Ghz spacing in DWDM systems
- Industry standard 14-pin butterfly package and TO-Can packages available.
- Built in thermoelectric cooler, thermistor and monitor diode
- Integrated isolator
- Single mode (SM) or Polarization maintaining (PM) fiber available

APPLICATIONS

- DWDM systems
- Gas Detection
- Fiber optic sensors
- Telecommunications
- Laser Sources
- Optical Time-Domain Reflectometer (OTDR)
- Biomedical Sensing
- Cavity Ring Down Spectroscopy



Fibre-Coupled Products



#DAY-OSE3-PB_2025_01_01

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