



LASER DIODES BUILT ON WORLD CLASS TECHNOLOGY & EXPERTISE FOR OVER A DECADE

EP2004-0-DM SERIES - CO₂ SENSING

Eblana's EP2004-0-DM series is designed for CO₂ detection using the 2004 nm absorption line.

This laser is built on Eblana's Discrete Mode technology platform, delivering incredibly stable, precise lasing performance at 2004 nm for a range of Carbon Dioxide detection applications.

Packaging options: 14-Pin Butterfly (w/ iso), TO39 (w/ TEC), TO56, DX-1 Module (driver & TEC electronics)

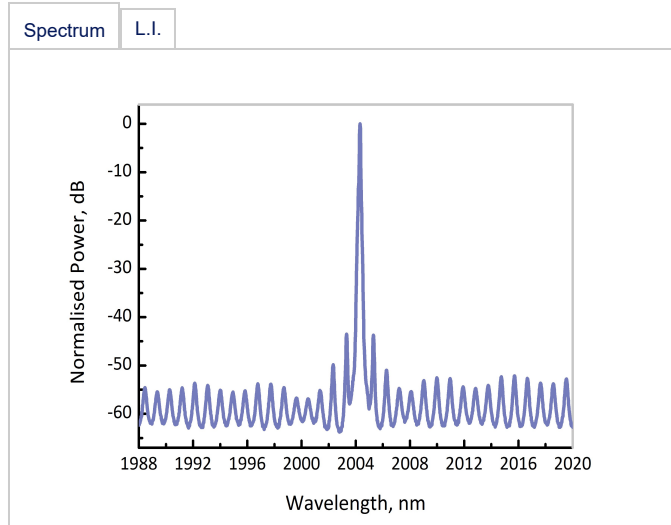
Popular wavelengths in this region: 2004 nm, 2008 nm, 2040 nm

High spectral purity

Monolithic design without external cavity

Tunable by either temperature or current

Low sensitivity to mechanical vibration



KEY PARAMETERS

The EP2004-0-DM product series delivers precise lasing emission at 2004 nm in a range of packaging options.

$\lambda = 2004 \text{ nm}$ $\lambda \text{ Tuning} = 2 \text{ nm (typ)}$

SMSR = 40 dB (typ) Optical Isolation > 40 dB

Power in fiber = 2 mW Linewidth < 2 MHz

CONTACT US FOR THE FULL DATASHEET

Name

Company

Email

Datasheet

Please enter any additional information that you can help facilitate a detailed response.

Note: Your data will not be shared

RELATED PRODUCTS

DM

- | | | | | | | | | | |
|------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|
| EP689-0-DM | [View] | EP1278-1-DM | [View] | EP1653-7-DM | [View] | EP1877-0-DM | [View] | EP2051-0-DM | [View] |
| EP760-0-DM | [View] | EP1392-5-DM | [View] | EP1692-0-DM | [View] | EP1950-0-DM | [View] | EP2108-0-DM | [View] |
| EP780-0-DM | [View] | EP1512-2-DM | [View] | EP1742-2-DM | [View] | EP2004-0-DM | [View] | EP2330-0-DM | [View] |

Why Choose Eblana

- Delivering high performance lasers for over a decade.
- Single Mode Laser Diodes from 689 to 2350 nm.
- Discrete Mode (DM) technology enables new & exciting mass market applications.
- Expertise always on hand to assist in custom laser design.

Download Photonics Resources

- DM Lasers @ 780 nm for Rb Atomic Clocks
- Wide temp range NLW DM laser for Coherent Comms
- 0 < T < 85 °C NLW DM Laser Diodes for Coherent Comms
- Discrete Mode laser diodes with ultra-narrow linewidth emission

Speak to Our Experts

Call us today on

+353 1 675 3220

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© Eblana Photonics Ltd., 3 West Pier Business Campus, Dun Laoghaire, Co. Dublin, A96 A621, Ireland

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