



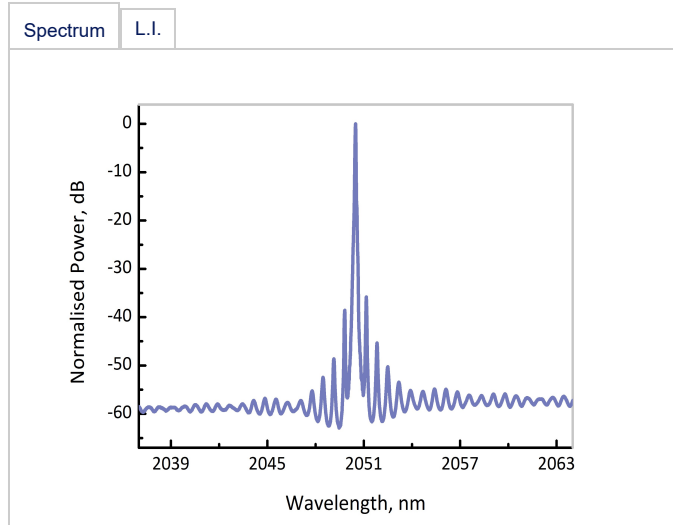
LASER DIODES BUILT ON WORLD CLASS TECHNOLOGY & EXPERTISE FOR OVER A DECADE

EP2051-0-DMH SERIES - CO₂ SENSING

Eblana's EP2051-0-DMH, part of our high powered laser series, is designed for Carbon Dioxide detection using the 2051 nm absorption line.

This laser is built on Eblana's Discrete Mode technology platform and delivers stable, precise lasing performance at 2051 nm for a wide range of CO₂ detection applications.

- Precise, stable spectral performance
- CO₂ detection at 2051 nm
- Monolithic design without external cavity
- Tunable by either temperature or current
- Low sensitivity to mechanical vibration
- Range of packaging options available



KEY PARAMETERS

The EP2051-0-DMH product series delivers precise lasing emission at 2051 nm in a range of packaging options.

- λ = 2051 nm λ Tuning = 2 nm (typ)
- SMSR = 40 dB (typ) Optical Isolation > 40 dB
- Power in fiber = 10 mW Linewidth < 2 MHz

CONTACT US FOR THE FULL DATASHEET

Name

Company

Email

Datasheet

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

Note: Your data will not be shared

RELATED PRODUCTS

DMH		DM							
EP1950-0-DMH	[Enquire]	EP760-0-DM	[View]	EP1392-5-DM	[View]	EP1692-0-DM	[View]	EP1950-0-DM	[View]
EP2004-0-DMH	[Enquire]	EP780-0-DM	[View]	EP1512-2-DM	[View]	EP1742-2-DM	[View]	EP2004-0-DM	[View]
EP2051-0-DMH	[View]	EP1278-1-DM	[View]	EP1653-7-DM	[View]	EP1877-0-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'S CONFERENCES & EXPOS



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

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