



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

### EP780-0-DM SERIES - Rb SENSING

Eblana's EP780-0-DM series is designed for Rubidium detection using the 780 nm absorption line.

This laser is built on Eblana's Discrete Mode technology platform and delivers stable, precise lasing performance at 780 nm for a wide range of Rubidium detection applications.

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

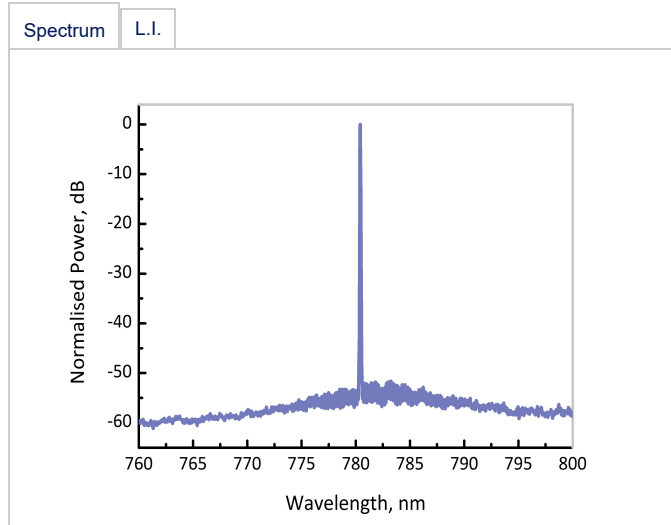
Rubidium detection at 780 nm

Precise, stable spectral performance

Monolithic design without external cavity

Tunable by either temperature or current

Low sensitivity to mechanical vibration



### KEY PARAMETERS

The EP780-0-DM product series delivers precise lasing emission at 780 nm in a range of packaging options such as 14-pin butterfly module, TO-39 with TEC and TO-56.

$\lambda = 780 \text{ nm}$

Power in fiber = 12 mW

SMSR = 40 dB (typ)

Linewidth < 3-4 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

#### 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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