Eblana’s EP1392-5-DM series is designed for moisture detection using the 1392.5 nm absorption line.

This laser is built on Eblana’s Discrete Mode technology platform and delivers stable, precise lasing performance at 1392.5 nm for a wide range of moisture detection applications.

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

Popular wavelengths in this region: 1390 nm, 1392 nm, 1395 nm

Precise, stable spectral performance

Monolithic design without external cavity

Tunable by either temperature or current

Low sensitivity to mechanical vibration

KEY PARAMETERS

The EP1392-5-DM product series delivers precise lasing emission at 1392.5 nm in a range of packaging options.

\[ \lambda = 1392.5 \text{ nm} \quad \lambda \text{ Tuning} = 2 \text{ nm (typ)} \]

\[ \text{SMSR} = 40 \text{ dB (typ)} \quad \text{Optical Isolation} > 40 \text{ dB} \]

Power in fiber = 10 mW \quad \text{Linewidth} < 2 \text{ MHz}