Eblana's EP1653-7-DM series is designed for methane detection using the 1653.7 nm absorption line.

This laser is built on Eblana's Discrete Mode technology platform and delivers stable, precise lasing performance at 1653.7 nm for a wide range of methane detection applications.

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

**Popular wavelengths in this region:**
- 1645.5 nm, 1651 nm, 1653.7 nm

**Quality spectral performance**
- Monolithic design without external cavity
- Tunable by either temperature or current
- Low sensitivity to mechanical vibration

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength - λ</td>
<td>1653.7 nm</td>
</tr>
<tr>
<td>λ Tuning</td>
<td>2 nm (typ)</td>
</tr>
<tr>
<td>SMSR</td>
<td>40 dB (typ)</td>
</tr>
<tr>
<td>Optical Isolation</td>
<td>&gt; 40 dB</td>
</tr>
<tr>
<td>Power in fiber</td>
<td>5 mW</td>
</tr>
<tr>
<td>Linewidth</td>
<td>&lt; 2 MHz</td>
</tr>
</tbody>
</table>

**KEY PARAMETERS**

The EP1653-7-DM product series delivers precise lasing emission at 1653.7 nm in a range of packaging options.

**CONTACT US FOR THE FULL DATASHEET**

- Name
- Company
- Email
- Datasheet: EP1653-7-DM-Series

Note: Your data will not be shared

**RELATED PRODUCTS**

**DM**

- EP689-0-DM
- EP750-0-DM
- EP780-0-DM
- EP1278-1-DM
- EP1392-5-DM
- EP1512-2-DM
- EP1512-3-DM
- EP1653-7-DM
- EP1692-0-DM
- EP1742-2-DM
- EP1877-0-DM
- EP1950-0-DM
- EP2004-0-DM
- EP2051-0-DM
- EP2108-0-DM
- EP2330-0-DM

**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

[ Sales Region Contact List » ]
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