ILEE® MOZIL

CHARACTERISTICS

• Accurate alignment of the optical to the mechanical axis (<0.8 mrad full angle)
• Solid built for industrial use
• Compact housing
• Beam shape: dot or line
• Can be factory-focused to required working distance on customer request
• AR coated glass lens
• Low power consumption

APPLICATIONS

• Measurement
• Pointing
• Alignment
• Positioning
### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Wave-length (nm)</th>
<th>Optical output (mW)</th>
<th>Beam shape</th>
<th>Laser class</th>
<th>Divergence (mrad)</th>
<th>Wavelength shift (nm/°C)</th>
<th>Output power stability (%) at 25°C</th>
<th>Ripple noise (4–6 VDC)</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>635</td>
<td>&lt;1</td>
<td>Dot</td>
<td>2</td>
<td>&lt;0.5</td>
<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
<td>0009-10-92-01</td>
</tr>
<tr>
<td>635</td>
<td>&lt;1</td>
<td>Line a)</td>
<td>2M</td>
<td>&lt;0.5</td>
<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
<td>0009-11-92-01</td>
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<tr>
<td>635</td>
<td>~3</td>
<td>Dot</td>
<td>3R</td>
<td>&lt;0.5</td>
<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
<td>0009-12-92-01</td>
</tr>
<tr>
<td>635</td>
<td>~3</td>
<td>Line a)</td>
<td>3R</td>
<td>&lt;0.5</td>
<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
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<tr>
<td>515</td>
<td>&lt;0.39</td>
<td>Dot</td>
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<td>&lt;0.25</td>
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<td>0009-07-92-02</td>
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<tr>
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<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
<td>0009-07-92-01</td>
</tr>
<tr>
<td>515</td>
<td>&lt;1</td>
<td>Line a)</td>
<td>2M</td>
<td>&lt;0.5</td>
<td>0.25</td>
<td>&lt;0.5</td>
<td>&lt;1%</td>
<td>0009-08-92-01</td>
</tr>
</tbody>
</table>

a) EN/ISO 60825-1  b) E@FWHM  c) after warmup  d) ~100 mm line length @ 100 mm distance

### DIMENSIONS (MM)

![Dimensions Diagram]

### ELECTRICAL CONNECTIONS

- **VCC:** Red (+)  Operating voltage: 4–6 VDC
- **GND:** Black (–)

*Attention: Polarity on housing: –*

Laser beams can cause damage to your eyes.
The user is responsible to observe the local safety regulations.

*Mistakes and technical changes reserved.*

**Rheinmetall Air Defence AG**

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