The Keysight Technologies, Inc. E1834x is a series of beam delivery optics in high performance mounts that offer the high pointing stability required for transducer systems. They can be used for routing the laser beam throughout the laser interferometer system and are available in a variety of splitting percentages and mounting configurations.

**Key features**
- 4 beam splitting percentages and 2 mounting configurations
- 8 flexure feet designed for 6 °C range
- 416 stainless steel housing for low CTE
- 11 mm clear aperture for up to 9 mm diameter laser beam
- Excellent reflected beam pointing accuracy relative to machined datums
### Horizontal mount beam pattern

<table>
<thead>
<tr>
<th>Model</th>
<th>Splitter reflective %</th>
<th>Optical efficiency</th>
<th>Mount configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1834E</td>
<td>33% ± 5%</td>
<td></td>
<td>Horizontal</td>
</tr>
<tr>
<td>E1834G</td>
<td>50% ± 5%</td>
<td></td>
<td>Horizontal</td>
</tr>
<tr>
<td>E1834J</td>
<td>67% ± 5%</td>
<td></td>
<td>Horizontal</td>
</tr>
<tr>
<td>E1834M</td>
<td>100% ± 5%</td>
<td></td>
<td>Horizontal</td>
</tr>
<tr>
<td>E1834Z</td>
<td>100% ± 5%</td>
<td></td>
<td>Vertical</td>
</tr>
</tbody>
</table>

- Reflected beam pointing accuracy
  - Pitch: ≤ 2.0 mrad
  - Yaw: ≤ 1.5 mrad
- Beam height: 31.5 mm
- L x W x H: 55 mm x 55 mm x 45 mm

### Vertical mount beam pattern

For more details on Keysight interferometry systems, components and ordering information please visit www.keysight.com/find/lasers

**KEYSIGHT SERVICES**

Accelerate Technology Adoption. Lower costs.

[www.keysight.com/find/services](http://www.keysight.com/find/services)

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.