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**TECHSPEC® 1310nm Laser Line Mirror, 45° AOI, 50.8mm Dia., 9.53mm Thick**



1300nm Laser Line Mirrors

Stock #27-562 **5 In Stock**

⊖ 1 ⊕ £246<sup>40</sup>

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Volume Pricing	
Qty 1-5	£246.40 each
Qty 6-25	£196.80 each
Qty 26-49	£184.80 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Laser Mirror **Type:**

**Physical & Mechanical Properties**

9.53 ± 0.20 **Thickness (mm):**

**Diameter (mm):**

50.80 +0.00/-0.10

90 **Clear Aperture (%):**

Commercial Polish **Back Surface:**

<3 **Parallelism (arcmin):**

## Optical Properties

Fused Silica (Corning 7980) **Substrate:**

10-5 **Surface Quality:**

Laser Mirror (1295-1325nm) **Coating:**

1295 - 1325 **Wavelength Range (nm):**

$\lambda$ 10 **Surface Flatness (P-V):**

**Coating Specification:**  
R<sub>abs</sub> 99.80% @ 1310nm @45° AOI  
R<sub>avg</sub> 99.5% @ 1295 - 1325nm @45° AOI

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- >99.8% Reflectivity at 1310nm
- 99.5% Average Reflectivity in the 1295 - 1325nm Range
- High Laser Damage Threshold
- Wide Range of Laser Line Mirrors Options Available

TECHSPEC® 1310nm Laser Line Mirrors are designed with an absolute reflectivity of >99.8% at 1310nm at a 45° angle of incidence. These mirrors are manufactured from high quality fused silica and are designed for use with high power laser sources. Available in standard 12.7, 25.4, and 50.8mm sizes, these mirrors can be easily integrated into existing laser systems. TECHSPEC® 1310nm Laser Line Mirrors feature  $\lambda$ 10 surface flatness and 10-5 surface quality to ensure reduced scattering in sensitive laser applications. These mirrors are ideal for applications including telecommunications, fiber optic communications, optical coherence tomography (OCT), and laser ranging.