# TECHSPEC® 2000nm Laser Line Mirror, 45° AOI, 25.4mm Dia., 6.35mm Thick

2µm Laser Line Mirrors

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## SPECIFICATIONS

### General

**Type:**

Laser Mirror

### Physical & Mechanical Properties

**Diameter (mm):**

25.40 +0.00/-0.10

**Back Surface:**
Commercial Polish

**Clear Aperture (%):**
90

**Parallelism (arcmin):**
<3

**Thickness (mm):**
6.35 ± 0.20

## Optical Properties

**Wavelength Range (nm):**
1900 - 2200

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

**Coating:**
Laser Mirror (1900-2200nm)

**Coating Specification:**
$R_{abs}$ 99.80% @ 2000nm @ 45° AOI
$R_{avg}$ 99.5% @ 1900 - 2200nm @ 45° AOI

**Surface Flatness (P-V):**
λ/10

**Surface Quality:**
10-5

## Regulatory Compliance

**Certificate of Conformance:**
View

# PRODUCT DETAILS

- >99.8% Reflectivity at 2µm
- 99.5% Average Reflectivity in the 1900 - 2200nm Range
- High Laser Damage Threshold
- Wide Range of Laser Line Mirrors Options Available

TECHSPEC® 2µm Laser Line Mirrors are designed with an absolute reflectivity of >99.8% at 2µm 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® 2µm Laser Line Mirrors feature λ/10 surface flatness and 10-5 surface quality to ensure reduced scattering in sensitive laser applications. These mirrors are ideal for applications including medical surgery, dermatology, laser doppler velocimetry (LDV), and remote sensing.