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25mm Dia. Schwarz $\lambda/10$ Mirror



Schwarz Mirrors

Stock #18-691 CLEARANCE **20+ In Stock**

€295⁰⁰

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Qty 1+	€295,00 each
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General

Flat Mirror Type:

Physical & Mechanical Properties

25.00 +0.0/-0.20 Diameter (mm):

6.35 ±0.10 Thickness (mm):

Back Surface:

Commercial Polish

Bevel:

Protective as needed

Clear Aperture (%):

90

Edges:

Ground

Parallelism (arcsec):

30

Optical Properties

Wavelength Range (µm):

0.40 - 0.75

Coating Type:

Dielectric

Coating:

Dielectric Mirror (400-750)

Surface Flatness (P-V):

λ/10

Wavelength Range (nm):

400 - 750

Substrate:

Engineered [Fused Silica](#)

Angle of Incidence (°):

0-45

Coating Specification:

R_{avg} >98% @400 - 750nm (0 - 45°)

R_{avg} >99% @400 - 750nm (0°)

Surface Quality:

20-10

Damage Threshold, By Design:

0.5J/cm², 20ns, 20Hz @532nm

Regulatory Compliance

Certificate of Conformance:

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Product Details

- Engineered Highly-Absorptive Fused Silica Substrate
- Optical Density > 7.0 in Visible Spectrum
- >98% Visible Reflectivity with No Residual Transmission
- Damage Threshold > 0.5J/cm², 20ns, 20Hz @532nm
- Designed for all Polarization States from 0 - 45° AOI

Schwarz Mirrors are engineered to eliminate unwanted transmission from applications requiring highly reflective mirrors. The specialized fused silica substrate features high absorption of visible light, preventing non-reflected illumination from exiting the mirror. The substrates are rated as neutral density filters with optical density of >7.0, attenuating high-power light without sustaining damage. By significantly reducing the intensity of transmitted and scattered light, system setup and design is simplified, as beam dumps, beam blocks, and laser safety shields may no longer be required. Schwarz Mirrors retain the same mechanical and thermal benefits as standard fused silica mirrors and have been coated to provide >98% reflectivity from 400 to 750nm. As such, these mirrors can replace standard fused silica in applications that require control of scattering and crosstalk.