

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



Schwarz Mirrors

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

-

1

+

S\$413⁰⁰

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Qty 1+	S\$413.00 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):

Commercial Polish

Back Surface:

Protective as needed	Bevel:
90	Clear Aperture (%):
Ground	Edges:
30	Parallelism (arcsec):
Optical Properties	
0.40 - 0.75	Wavelength Range (µm):
Dielectric	Coating Type:
Dielectric Mirror (400-750)	Coating:
λ/10	Surface Flatness (P-V):
400 - 750	Wavelength Range (nm):
Engineered Fused Silica	Substrate: □
0-45	Angle of Incidence (°):
Ravg >98% @400 - 750nm (0 - 45°) Ravg >99% @400 - 750nm (0°)	Coating Specification:
20-10	Surface Quality:
0.5J/cm², 20ns , 20Hz @532nm	Damage Threshold, By Design: □
Regulatory Compliance	
View	Certificate of Conformance:

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

SchwarzMirrors 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. SchwarzMirrors 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.