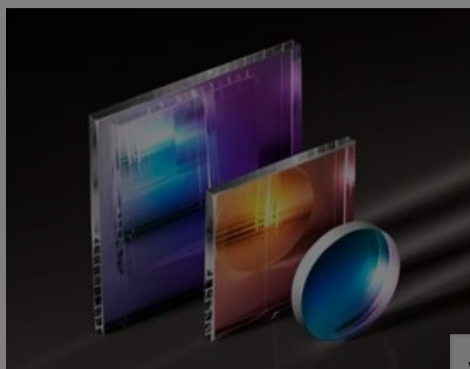


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TECHSPEC® 45° AO



TECHSPEC High Performance Cold Mirror

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

Select Your Country/Region: European Union

Submit

1 €54^{,50}

ADD TO CART



Volume Pricing	
Qty 1-9	€54,50 each
Qty 10-25	€49,25 each
Qty 26-49	€46,75 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	Download All

General

Type: Cold Mirror

Physical & Mechanical Properties

Thickness (mm): 1.10 ±0.2

Dimensions (mm): 20.0 x 20.0

Dimensional Tolerance (mm): +0.0/-0.2

Length (mm): 20.00

Width (mm): 20.00

Optical Properties

Transmission (%): Dichroic Filter

Coating Type: Dielectric

Coating: Cold Mirror, 45°

Surface Flatness (P-V): 4 - 6λ

Wavelength Range (nm): 425 - 1150

Substrate: **BOROFLOAT®**

Angle of Incidence (°): 45

Coating Specification: R_{avg} ≥95% @ 400 - 690nm and T_{avg} ≥90% @ 750 - 1200nm
AR Coating: R_{avg} <1% @ 700 - 1150nm

Surface Quality: 80-50

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 247: **Compliant**

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Product Details

- >95% Reflection from 400 - 690nm
- >90% Transmission from 750 - 1200nm
- Optimized for 0° or 45° Angle of Incidence

TECHSPEC® High Performance Cold Mirrors feature a multi-layer dielectric coating optimized for greater than 95% reflection of visible light and greater than 90% transmission of IR wavelengths. Cold mirrors are designed for use in any application where heat build-up can cause damage or adverse effects. For high power illumination, forced air cooling is recommended.

Technical Information

Related Products



Kinematic Optical Mirror Mounts



Kinematic Square Optical Mounts

Quote Your Size

PLEASE ENTER YOUR
REQUIRED SPECIFICATIONS
HERE:

Type

Filters, Hot/Cold Mirrors

Substrate

Thickness (mm)

Shape ⓘ

Diameter (mm) ⓘ

0

Length (mm) ⓘ

0

Width (mm) ⓘ

0

Quantity ⓘ

0

GET PRICING

TYPICAL 4-6 WEEK DELIVERY. DELIVERY
DATE TO BE CONFIRMED AT TIME OF
ORDER.

OTHER SUBSTRATES, DIMENSIONS AND THICKNESSES OUTSIDE OF THOSE SHOWN HERE ARE ALSO AVAILABLE. IF YOU ARE INTERESTED IN A PRODUCT OUTSIDE OF THE SPECIFICATIONS SHOWN IN THIS TABLE, PLEASE [CONTACT US](#) TO DISCUSS MANUFACTURING FEASIBILITY.

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Select Your Country/Region:

Frequently Purchased Together



#31-419 - 22 x 29mm, 4-6λ Mirror
€23,75

Qty



#32-442 - 38 x 150mm, 4-6λ Mirror
€34,25

Qty



#33-368 - 25.0mm Dia. x 400.0mm FL, NIR I Coated, Plano-Convex Lens
€47,50






Qty



#43-359 - 50 x 50mm, 50R/50T, Plate Beamsplitter
€77,50

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	15mm Sq., Fixed Filter Holder	Fixed		#54-996	€67,50 Request Quote	20+ In Stock <input type="text" value="1"/> <input type="button" value="Add to Cart"/>
MORE+ 	25mm sq - Rectangular Bar Clamp	Fixed		#54-994	€108,00 Request Quote	8 In Stock <input type="text" value="1"/> <input type="button" value="Add to Cart"/>
MORE+ 	Filter Kinematic Mount, 2-Screw	Adjustable - Tip-Tilt		#58-874	€122,00 Request Quote	20+ In Stock <input type="text" value="1"/> <input type="button" value="Add to Cart"/>
MORE+ 	60mm sq - Rectangular Bar Clamp	Fixed		#54-995	€126,00 Request Quote	20+ In Stock <input type="text" value="1"/> <input type="button" value="Add to Cart"/>
MORE+ 	Filter Kinematic Mount, 3-Screw	Adjustable - Tip-Tilt		#58-875	€138,00 Request Quote	15 In Stock <input type="text" value="1"/> <input type="button" value="Add to Cart"/>

Check out our full selection of mounts [here](#).

Resources

Media Type


- Application Note
- Video
- Published Article

 APPLICATION NOTE

The Importance of Optical Filter Orientation...

 APPLICATION NOTE

Custom Bandpass Filter using Shortpass an...

 VIDEO

Optical Filters Review

FAQ

Glossary

Trending in Optics

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? FAQ

What type of material should I look for in a filter?

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