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TECHSPEC®

6mm Dia x 9mm FL MgF₂ Coated, Illumination Grade PCX Cylinder Lens



Stock #68-039 **20+ In Stock**

1 **MRP ₹8,268**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹8,268 each
Qty 6-25	₹7,455 each
Qty 26-49	₹7,073 each
Need More?	Request Quote

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	Download All

General

Type: Cylinder Lens, Plano-Convex

Physical & Mechanical Properties

Diameter (mm):	6.00	Center Thickness CT (mm):	2.00
Center Thickness Tolerance (mm):	±0.1	Dimensional Tolerance (mm):	+0.0/-0.2
Edge Thickness ET (mm):	1.33		

Optical Properties

Effective Focal Length EFL (mm):	9.00	Substrate:	N-SF11
f/#:	1.5	Numerical Aperture NA:	0.33
Coating:	MgF ₂ (400-700nm)	Wavelength Range (nm):	400 - 700
Back Focal Length BFL (mm):	7.88	Coating Specification:	R _{avg} ≤1.75% @ 400 - 700nm
Focal Length Tolerance (%):	±3	Radius R₁ (mm):	7.06

Surface Quality: 60-40

Damage Threshold, By Design: 10 J/cm² @ 532nm, 10ns 

Regulatory Compliance

RoHS 2015: **Compliant**

REACH 201: **Compliant**

Certificate of Conformance: **View**

Country of Origin: China

Imported By: Edmund Optics India Private Limited
267, Greystone Building,
Second Floor,
6th Cross Rd,
Binnamangala,
Stage 1,
Indiranagar,
Bengaluru,
Karnataka,
India 560038
Phone: +91-80-6845 0000

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- N-BK7 Substrate for Broadband Performance
- Cost-Effective for OEM Integration
- Multiple Coating Options Available

TECHSPEC® Illumination Grade PCX Cylinder Lenses are similar to Plano-Convex (PCX) lenses in profile, but include a portion of a cylinder instead of a sphere. These lenses focus light in one dimension and can transform a point of light into a line. TECHSPEC® Illumination Grade PCX Cylinder Lenses are available in circular and rectangular versions, along with multiple coating options. Cylinder lenses are ideal for line projection in machine vision applications or guidance systems.

Note: For negative focal length cylinder lenses, see our [TECHSPEC® Illumination Grade PCV Cylinder Lenses](#).

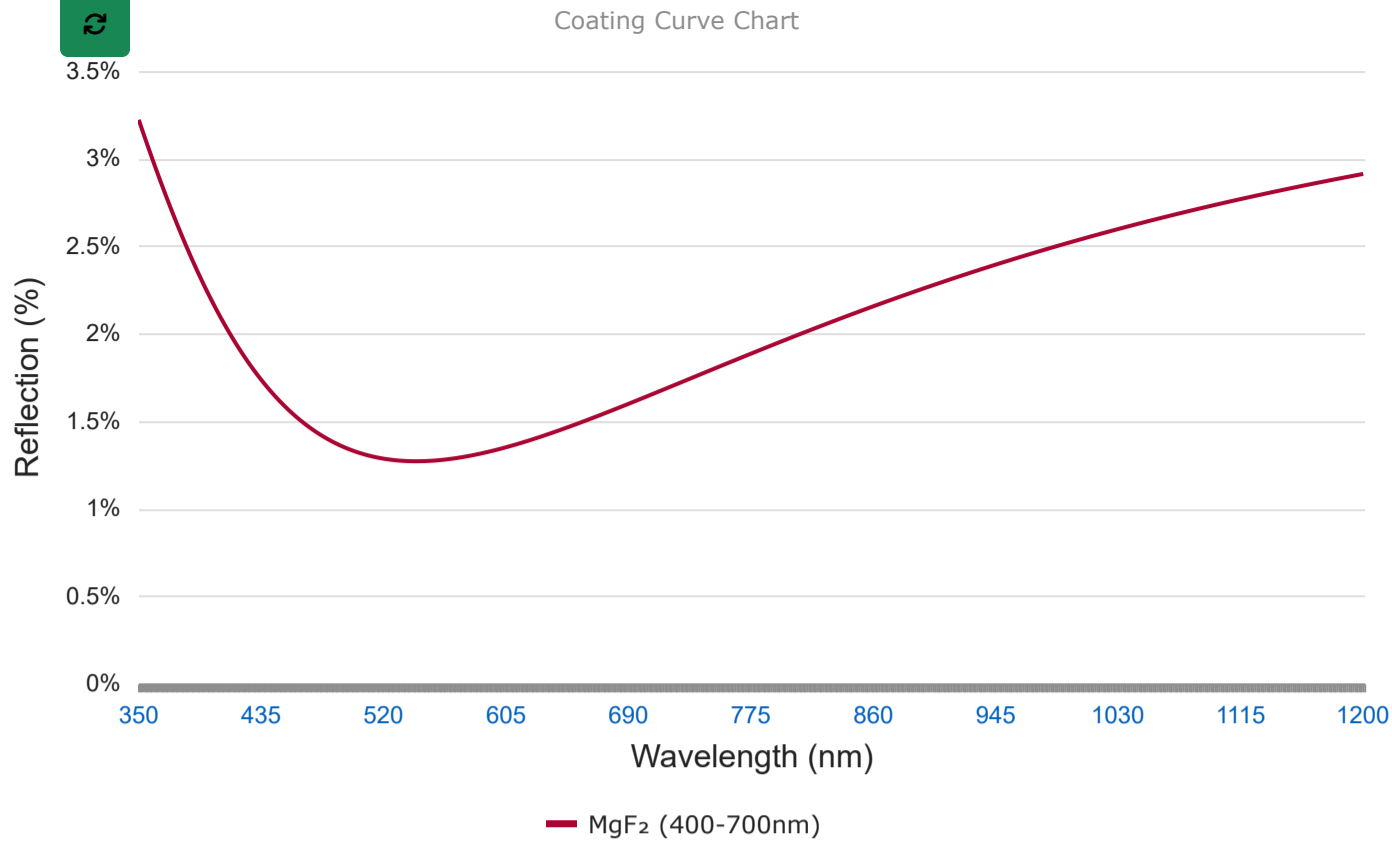
LASER OPTICS MADE BY EDMUND OPTICS®

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Technical Information

Coating Curves

MgF₂ (400-700nm)



SHIFT + SELECT an area on CURVE to zoom

Please note that coating performance outside each product's specified design range is theoretical and may vary.

Related Products



#13-800 - Small Lens Clamp for 4-8mm Dia. Optics
₹17,353

Qty

Frequently Purchased Together



#03-618 - 5mm Spacer to convert CS-Mount Cameras to C-Mount
₹3,080

Qty



#45-264 - 9mm Dia. x 36mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹7,617

Qty



#45-265 - 12.5mm Dia. x 100mm FL, MgF₂ Coated, Achromatic Doublet Lens
₹8,677

Qty



#45-430 - 4.0mm Dia. x 10.0mm FL, MgF₂ Coated, Plano-Convex Lens
₹5,550

Qty

Resources

Media Type

- Application Note
- Trending in Optics
- Published Article
- FAQ
- Glossary
- Video

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

Laser Beam Shaping Overview

TRENDING IN OPTICS

Non-Circular Optics for System Miniaturization

APPLICATION NOTE

What are Cylinder Lenses?

APPLICATION NOTE

Considerations When Using Cylinder Lenses

PUBLISHED ARTICLE

Cylinder Lenses for Beam Shaping

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