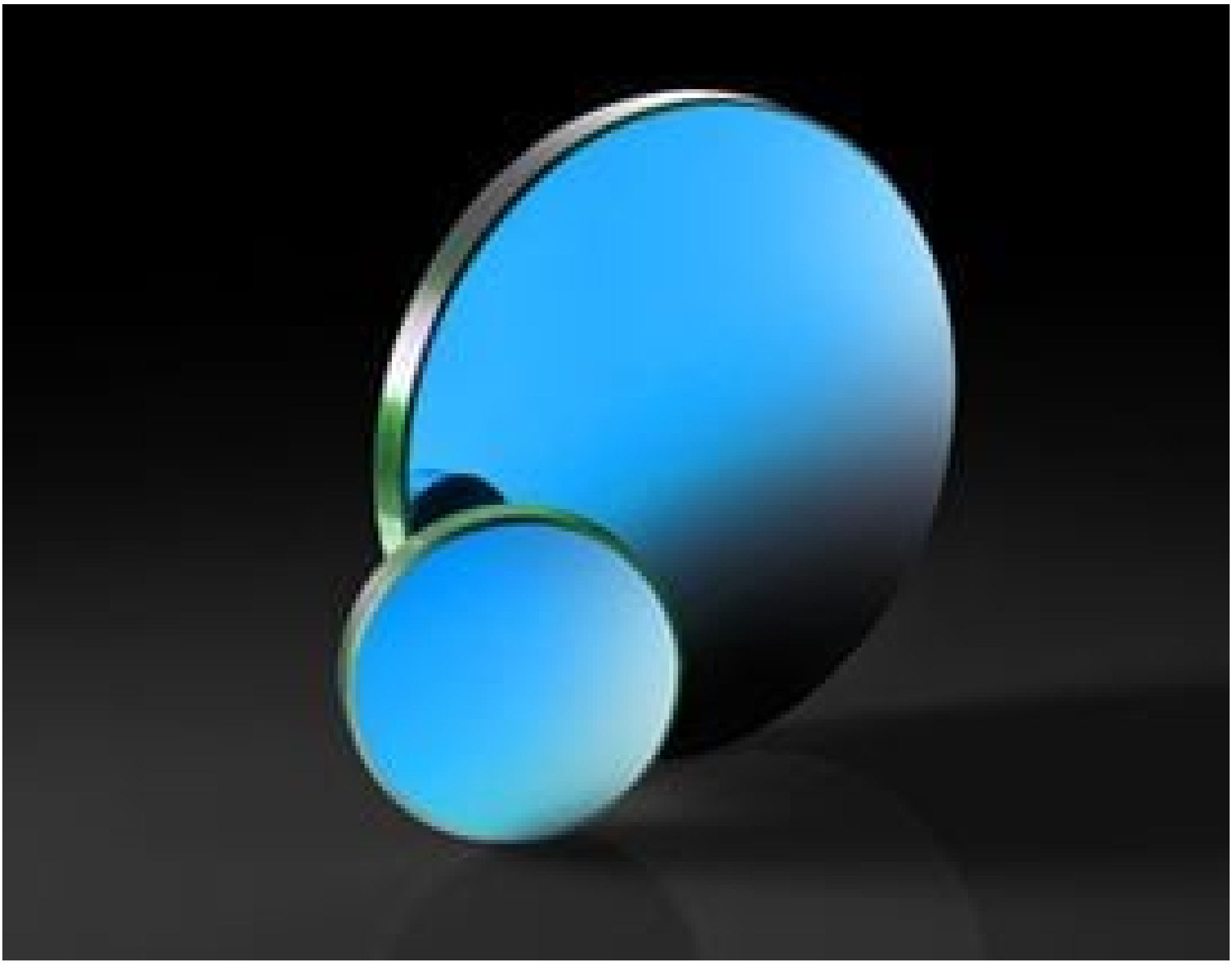
See all 4 Products in Family

25.4mm Dia. x 500mm FL, 3-5µm BBAR Coated, ISP Optics Silicon (Si) PCX Lens | HDAR35-SI-PX-25-500

See More by ISP Optics



Stock **#24-897** CLEARANCE **2 In Stock**

- 1 + **€246**.00

ADD TO CART

Volume Pricing	
Qty 1+	**€246,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Plano-Convex Lens

Model Number:
HDAR35-SI-PX-25-500

Physical & Mechanical Properties

Diameter (mm):

25.40 +0.00/-0.13

Centering (arcmin):

<3

Center Thickness CT (mm):

2.00 ±0.20

Edge Thickness ET (mm):

2.00

Clear Aperture CA (mm):

22.86

Bevel:

Protective as needed

Optical Properties

Effective Focal Length EFL (mm):

500.00 @ 4µm

Coating:

BBAR (3000-5000nm)

Coating Specification:

R_{avg} <0.5% @ 3 - 5µm R_{abs} <1.5% @ 3 - 5µm

Substrate:

Silicon (Si)

Surface Quality:

80-50

Irregularity (P-V) @ 632.8nm:

1λ

Focal Length Tolerance (%):

±2

Radius R_1 (mm):

1,213.90

f/#:

19.69

Numerical Aperture NA:

0.03

Wavelength Range (nm):

3000 - 5000

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 240:

Compliant

Product Details

- High-Durability Anti-Reflection (HDAR) Coated for 3 - 5µm
- Ideal for Weight Sensitive Applications
- Available Focal Lengths from 25.4 – 500mm

ISP Optics Silicon (Si) Plano-Convex (PCX) Lenses feature a High Durability Anti-Reflection (HDAR) coating for increased transmission in the 3 - 5µm range. Silicon features a Knoop Hardness of 1150 making it harder and less brittle than Germanium. In addition, the HDAR coating increases the durability of the substrate, enabling use in harsh environments. ISP Optics Silicon (Si) Plano-Convex (PCX) Lenses also feature a low density of 2.329g/cm^3, making them ideal for weight-sensitive IR applications such as Near-Infrared (NIR) imaging and infrared spectroscopy.

;