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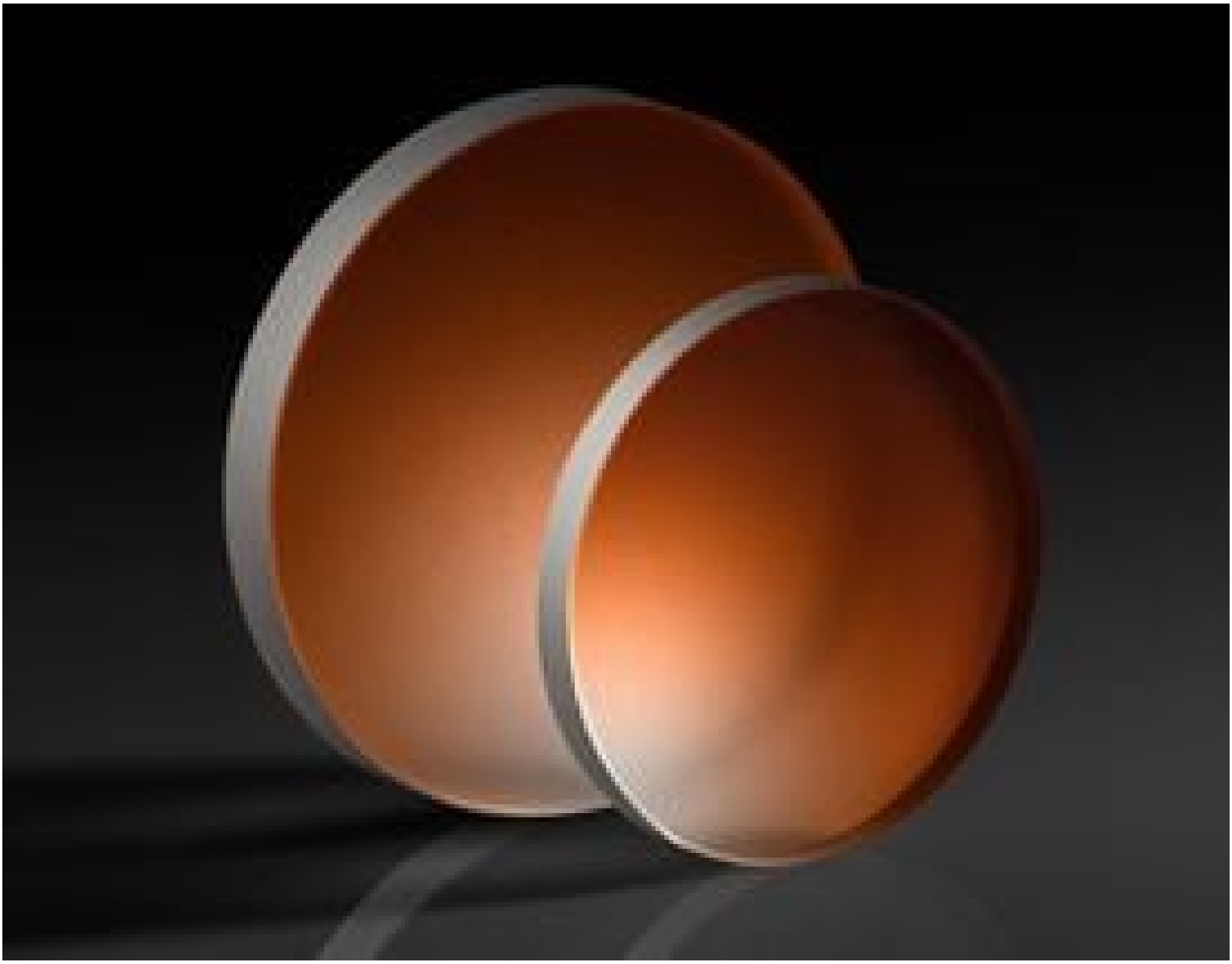
10mm Dia., 1.5mm Thick, Zinc Selenide (ZnSe) Diffuser



IR Calcium Fluoride (CaF2) Diffusers

Stock **#72-633** NEW **7 In Stock**

- 1 + **€273**.00

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Volume Pricing	
Qty 1-5	**€273,00** each
Qty 6-25	**€218,00** each
Qty 26+	**€205,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
IR Diffuser

Note:
Fine Grind S1 to 180 grit, Polished S2

Physical & Mechanical Properties

Clear Aperture CA (mm):

9 Specified for S2

Diameter (mm):

10.00 ±0.01

Edges:

Fine Ground

Thickness (mm):

1.50 ±0.10

Parallelism (°):

<1 arcmin

Bevel:

Protective as needed

Optical Properties

Coating:

Uncoated

Substrate:

ZnSe

Wavelength Range (nm):

600 - 12000

Surface Quality:

80-50 Specified for S2

Surface Accuracy, P-V:

S1: N/A S2: λ/2

Regulatory Compliance

Certificate of Conformance:

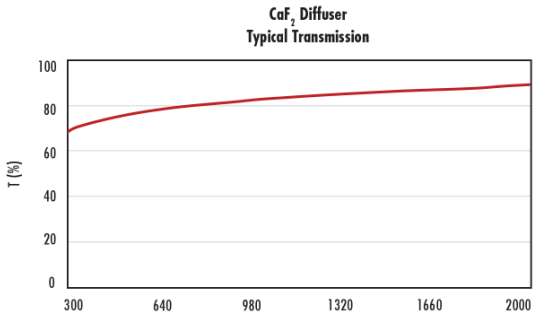
View

Product Details

- Evenly Ground First Surface for Even Diffusion
- Low Index of Refraction Maximizes Throughput
- Broad Transmission Range

IR Diffusers feature an evenly fine ground first surface to produce even diffusion in the visible (VIS) and infrared (IR) spectra. Available in both ZnSe and CaF2 options with transmission ranges of 600nm-12000nm and 300nm-7000nm respectively, these diffusers can be used with a variety of coherent and incoherent light sources. The low index of refraction of calcium fluoride maximizes the throughput of these diffusers without use of an antireflection (AR) coating. IR Diffusers are ideal for use in laser calibration systems and general diffusion of VIS - IR light sources.

Technical Information



Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools

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