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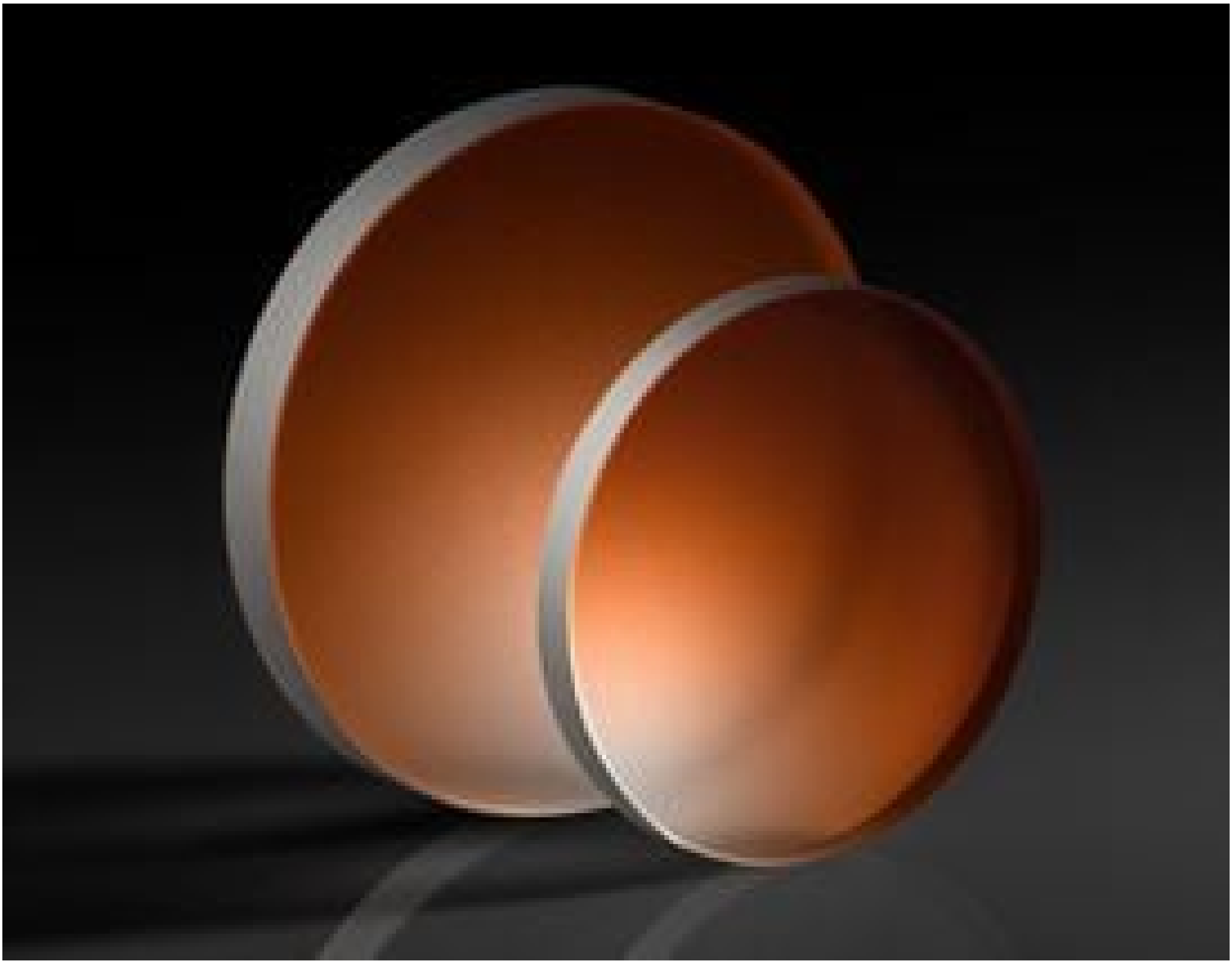
# 12.5mm Dia., 2mm Thick, Calcium Fluoride ($CaF_2$) Diffuser



IR Calcium Fluoride (CaF2) Diffusers

Stock **#19-732** **6 In Stock**

- 1 +

**S$249.20**

**ADD TO CART**

| Volume Pricing | |
|---|---|
| Qty 1-10 | **S$249.20** each |
| Qty 11-25 | **S$224.00** each |
| Qty 26-49 | **S$211.40** each |
| Need More? | Request Quote |

Product Downloads

## General

**Type:**

IR Diffuser

**Note:**

Fine Grind first surface with a roughness (Ra) of
□0.75 microns

## Physical & Mechanical Properties

**Diameter (mm):**

12.50 +0.00/-0.10

**Edges:**

Fine Ground

**Thickness (mm):**

2.00 ±0.10

## Optical Properties

**Coating:**

Uncoated

**Substrate:**

Calcium Fluoride ($CaF_2$)

**Wavelength Range (nm):**

300 - 7000

## Regulatory Compliance

**RoHS 2015:**

Compliant

**Certificate of Conformance:**

View

**Reach 240:**

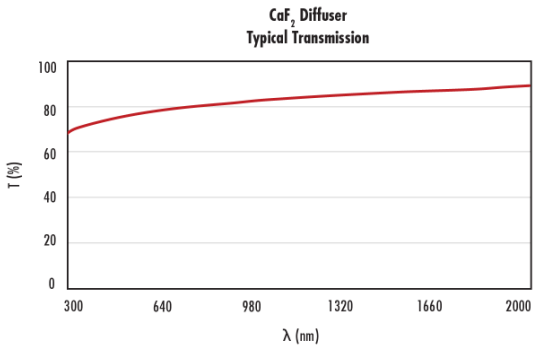
Compliant

# 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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