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## 25.4mm Dia., 3mm Thick, ISP Optics ZnSe Infrared (IR) Diffuser | DIF2-IR-25-3

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Infrared (IR) Diffusers

Stock #16-820 **5 In Stock**

MRP ₹35,513

**1** Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-10	₹35,513 each
Qty 11+	₹31,983 each
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### Product Downloads

#### General

DIF2-IR-25-3 **Model Number:**

IR Diffuser **Type:**

Fine Grind first surface with a roughness (Ra) of  $\leq 0.75$  microns **Note:**

## Physical & Mechanical Properties

25.40 +0.00/-0.13 **Diameter (mm):**

Ground **Edges:**

3.00 ±0.13 **Thickness (mm):**

## Optical Properties

Uncoated **Coating:**

Zinc Selenide (ZnSe) **Substrate:**

600 - 12000 **Wavelength Range (nm):**

## Regulatory Compliance

**Compliant** **RoHS 2015:**

**View** **Certificate of Conformance:**

**Compliant** **Reach 240:**

United States **Country of Origin:**

**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

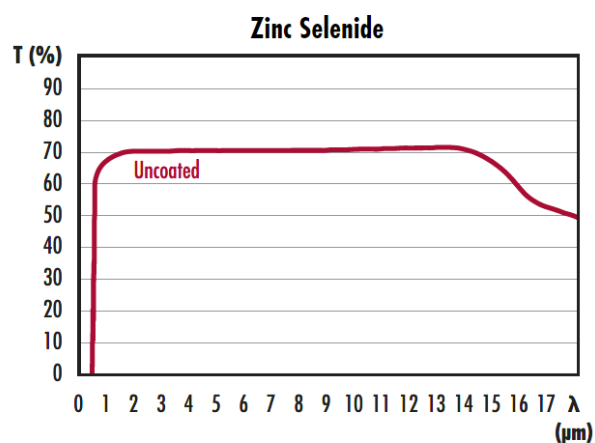
Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## Product Details

- Even, Diffuse Surface
- Low Scatter Loss
- 0.3 – 12.0µm Spectral Range
- [UV Fused Silica Ground Glass Diffusers](#) Also Available

ISP Optics Infrared (IR) Diffusers are useful for creating even intensity distribution of broadband IR light sources. These ground diffusers are polished on one side and sandblasted on the other side to produce a rough surface that will scatter light. These diffusers are available with either calcium fluoride (CaF<sub>2</sub>) or Zinc Selenide (ZnSe) substrates. The CaF<sub>2</sub> substrate has a transmission range from 0.3 to 8.0 microns and the ZnSe substrate has transmission range from 0.6 to 12.0 microns. ISP Optics Infrared (IR) Diffusers are ideal for a variety of applications including FTIR systems, laser calibration systems, and illuminator diffusion.

## 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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