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25.4mm Dia., 3mm Thick, 2 - 8µm, ISP Optics CaF_2 IR Beamsplitter

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Stock **#25-025** CLEARANCE CONTACT US

- 1 + **MRP** ₹33,799

Price inclusive of all taxes

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General

Type:
Standard Beamsplitter

Model Number:
BSP50-CF-25-3

Physical & Mechanical Properties

Clear Aperture (%):
85

Construction:
Plate

Diameter (mm):
25.40 +0.00/-0.13

Parallelism (arcmin):
<3

Thickness (mm):
3.00 ±0.13

Optical Properties

Angle of Incidence (°):
45

Reflection/Transmission Ratio (R/T):
50/50 ± 10% @ 2 - 8µm

Substrate:
Calcium Fluoride (CaF_2)

Surface Flatness (P-V):
2λ @ 633nm

Surface Quality:
60-40

Wavelength Range (µm):
2 - 8

Wavelength Range (nm):
2000 - 8000

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

Country of Origin:
Latvia

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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Product Details

- Beamsplitter Coatings Covering 1.5 – 14µm
- Designed for 50/50 Beamsplitting at 45° AOI
- Calcium Fluoride or Zinc Selenide Substrates

ISP Optics Infrared (IR) Plate Beamsplitters are available with Calcium Fluoride (CaF_2) or Zinc Selenide (ZnSe) substrates designed to provide a 50/50 beamsplitting ratio when used at 45°. The CaF_2 beamsplitters are ideal for applications in the 1.5 – 5µm or 2 – 8µm wavelength ranges. The ZnSe beamsplitters extend farther into the infrared with a 7 – 14µm beamsplitter coating and are Anti-Reflection (AR) coated on the second surface to increase throughput. ISP Optics Infrared (IR) Plate Beamsplitters are available in standard imperial sizes and are ideal for use in FTIR and Raman spectroscopy.

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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