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25.4mm Dia., 2mm Thick, ISP Optics Gold Dichroic Beamsplitter

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MRP ₹35,413

Price inclusive of all taxes

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General

Standard Beamsplitter Type:

BSP-DI-25-2 Model Number:

Physical & Mechanical Properties

85 Clear Aperture (%):

Plate Construction:

25.40 +0.00/-0.13	Diameter (mm):
<3	Parallelism (arcmin):
2.00 ±0.13	Thickness (mm):

Optical Properties

Coating:	
S1: Beamsplitter Coating T _{avg} = 70% from 400 - 700nm R _{avg} = 95% from 3 - 12µm	
Coating Specification:	
R _{avg} >95% @ 3000 - 12000nm and T _{avg} >70% @ 400 - 700nm	
3000 - 12000	Reflection Wavelength (nm):
N-BK7	Substrate: <input type="checkbox"/>
M4 @ 633nm	Surface Flatness (P-V):
60-40	Surface Quality:
400 - 700	Transmission Wavelength (nm):

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:
Latvia	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	

Product Details

- Separate Visible Light from Infrared (3-12µm) Light
- Visible Transmitting/Infrared Reflecting and Visible Reflecting/Infrared Transmitting Designs
- Ideal for Combining Visible Guide Lasers with MMR Lasers

ISP Optics Infrared (IR) Dichroic Beamsplitters are used to separate visible light from infrared light, working deeper in the infrared than conventional hot and cold mirrors. The platinum dichroic beamsplitters reflect visible light while transmitting light between 3 – 12µm and have an Anti-Reflection (AR) coating on the back surface to increase throughput. The gold dichroic beamsplitters transmit visible light while reflecting infrared light between 3 – 12µm and can be used with an AOI from 0 to 45°. ISP Optics Infrared (IR) Dichroic Beamsplitters are ideal for combining guide lasers with mid-IR laser sources, such as QCL lasers, for applications including gas detection, mid-infrared photothermal microscopy, and infrared spectroscopy.