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

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Stock **#25-033** CLEARANCE CONTACT US

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1

+

S\$491⁴⁰

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General

Type:	
Standard Beamsplitter	
Model Number:	
BSP-DI-25-2	

Physical & Mechanical Properties

Clear Aperture (%):	
85	
Construction:	
Plate	

25.40 +0.00/-0.13	Diameter (mm):
<3	Parallelism (arcmin):
2.00 ±0.13	Thickness (mm):
Optical Properties	
S1: Beamsplitter Coating T _{avg} = 70% from 400 - 700nm R _{avg} = 95% from 3 - 12µm	Coating:
R _{avg} >95% @ 3000 - 12000nm and T _{avg} >70% @ 400 - 700nm	Coating Specification:
3000 - 12000	Reflection Wavelength (nm):
N-BK7	Substrate: □
λ/4 @ 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:

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.