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

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Stock #25-033 CLEARANCE CONTACT US

⊖ 1 ⊕ **\$\$491⁰⁰**

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Qty 1+	\$\$491.40 each
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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 - 12 μ m

Coating Specification:
 $R_{avg} >95\%$ @ 3000 - 12000nm and $T_{avg} >70\%$ @ 400 - 700nm

3000 - 12000 **Reflection Wavelength (nm):**

Substrate:
[N-BK7](#)

$\lambda/4$ @ 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 (3-12 μ m) 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 – 12 μ m 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 – 12 μ m 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.