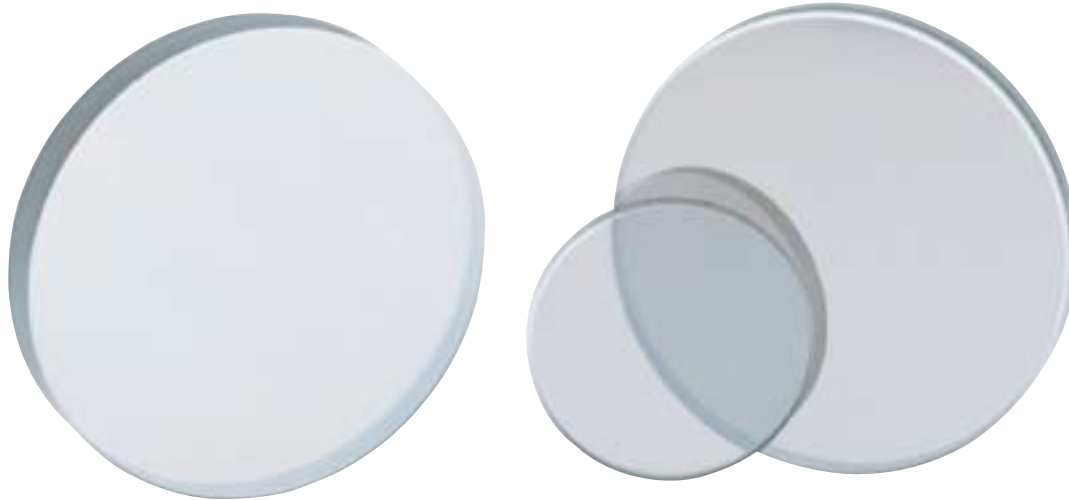


## Metallized Plate Beamsplitters

- The thin metallic film acts as broadband partially transmitting mirror
- Substrates polished both sides to  $\lambda/10$
- Wedged substrates (for ghost suppression) are also available as standard
- Standard diameters from 25.4 to 100mm



These beamsplitters provide a highly neutral reflectivity over the visible spectrum and are most useful for broadband or tunable wavelength applications. A separate coating, optimized for use at the near-IR diode wavelengths, is available.

### Specifications & Tolerances

Surface flatness:  $\lambda/10$

Surface quality: 40-20

Thickness:  $\pm 0.2$ mm

Bevel: 0.2mmx45° typical

Transmission:  $T_{av} = 33\% \pm 5\%$ , 400-700nm  
 $T_{av} = 33\% \pm 5\%$ , 750-850nm

Diameter: +0, -0.2mm

Parallelism:  $\leq 5$ arcsec or 1° wedge

Clear aperture: >90% diameter

Material: BK7, grade A

Wedge (optional): 1°

### Metallized Plate Beamsplitters

Wavelength Range (nm)	Diameter, D (Inches)	Diameter, D (mm)	Thickness, t (mm)	Price	PART NUMBER
400-700	1.00	25.4	3.0		<b>038-0120</b>
400-700	1.18	30.0	3.0		<b>038-0130</b>
400-700	1.57	40.0	4.0		<b>038-0135</b>
400-700	1.97	50.0	5.0		<b>038-0140</b>
400-700	2.00	50.8	5.0		<b>038-0150</b>
400-700	3.94	100.0	10.0		<b>038-0160</b>
750-850	1.00	25.4	3.0		<b>038-0210</b>
750-850	1.18	30.0	3.0		<b>038-0220</b>
750-850	1.97	50.0	5.0		<b>038-0230</b>
750-850	2.00	50.8	5.0		<b>038-0240</b>

For a 1° **wedged** substrate **append -W** to the part number and add \$25 to the price.

Note: Wedged substrates are thicker.

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