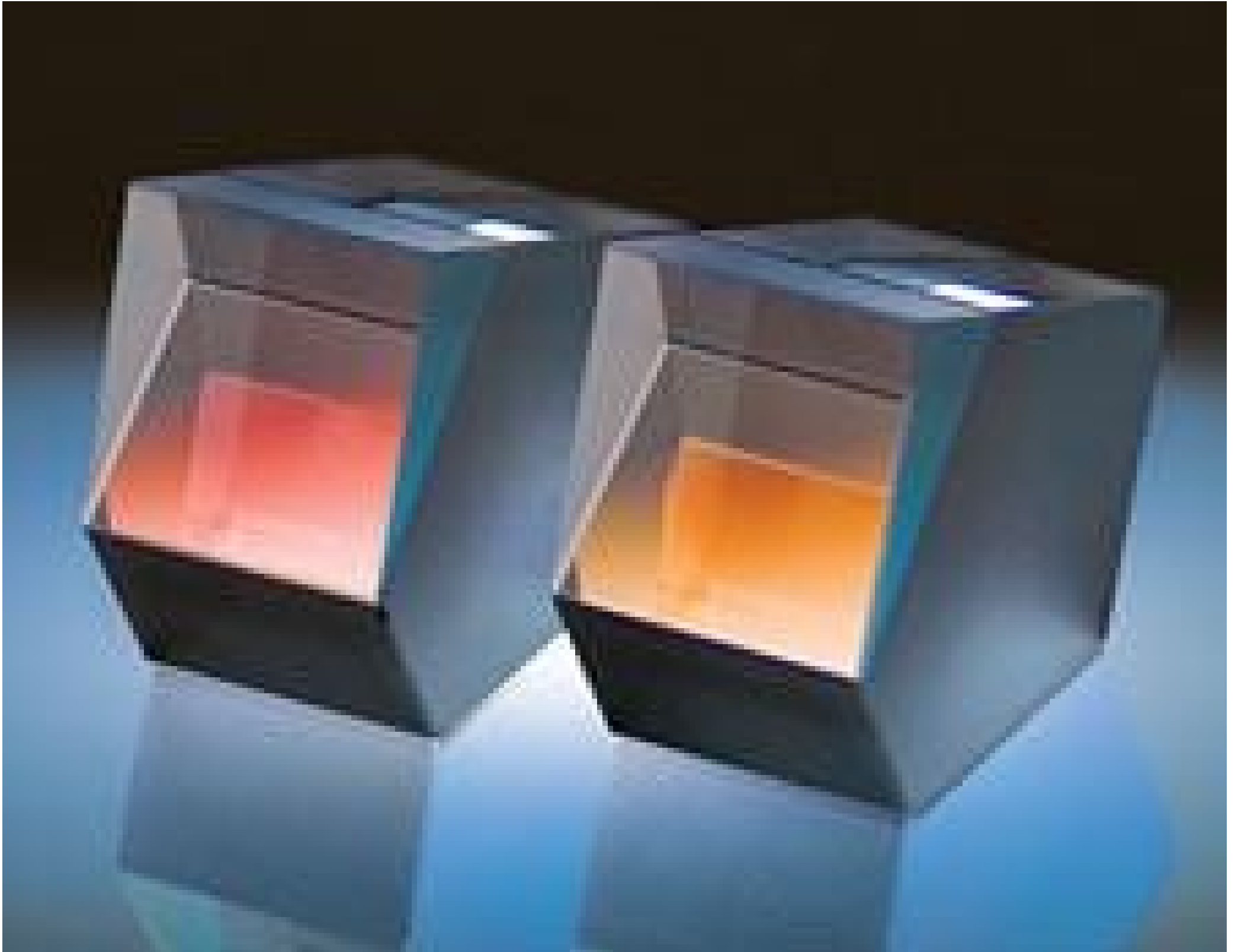


## 20mm, MgF<sub>2</sub> Coated, Penta Prism Beamsplitter



Stock #66-633 **20+ In Stock**

£227<sup>20</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-5	£227.20 each
Qty 6-25	£181.60 each
Qty 26-49	£167.20 each
Need More?	<a href="#">Request Quote</a>

**!** Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Standard Beamsplitter **Type:**

### Physical & Mechanical Properties

>90 **Clear Aperture (%):**

Prism **Construction:**

<b>Dimensional Tolerance (mm):</b>	
±0.10	
<b>Optical Properties</b>	
<b>Beam Deviation (°):</b>	
90, 180	
<b>Beam Deviation Tolerance (arcsec):</b>	
±10	
<b>Coating:</b>	
MgF <sub>2</sub> on Entrance and Exit Faces	
<b>Polarization:</b>	
T <sub>s</sub> - T <sub>p</sub>   ≤ 15%	
<b>Reflection/Transmission Ratio (R/T):</b>	
50/50	
<b>Reflection/Transmission Tolerance (%):</b>	
±5	
<b>Substrate:</b> <input type="checkbox"/>	
N-BK7	
<b>Surface Flatness (P-V):</b>	
λ/4	
<b>Surface Quality:</b>	
40-20	
<b>Wavelength Range (nm):</b>	
450 - 650	

<b>Regulatory Compliance</b>	
<b>RoHS 2015:</b>	
Compliant	
<b>Reach 209:</b>	
Compliant	
<b>Certificate of Conformance:</b>	
<a href="#">View</a>	

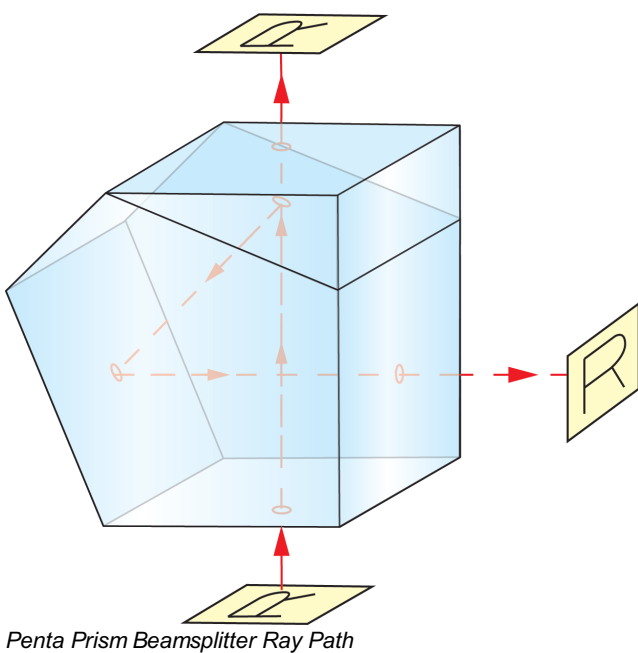
## Product Details

- 50% Reflection / 50% Transmission
- Beam Deviation Insensitive to Alignment
- Designed for Visible Wavelengths

Penta Prism Beamsplitters are constructed by cementing a precision [penta prism](#) and a [wedge prism](#) together, and applying an appropriate interference coating to one of the traditionally reflective surfaces. Since slight movements of a penta prism do not affect the true right angle at which light rays are reflected, the deviation between the transmitted and reflected light rays is highly controllable and will not vary by more than 10arcsec.

**Note:** Outgoing beams are partially polarized.

## Technical Information



Stock No.	A	B	C	D	E
<a href="#">#66-632</a>	12.70mm	12.70mm	5.26mm	13.75mm	12.70mm
<a href="#">#66-633</a>	20.00mm	20.00mm	8.28mm	21.65mm	20.00mm
<a href="#">#66-634</a>	25.40mm	25.40mm	10.52mm	27.49mm	25.40mm

