

## Polarization Beam Splitters 48PM-CC

Beam splitting cube, polarization dependent, in adjustment mount



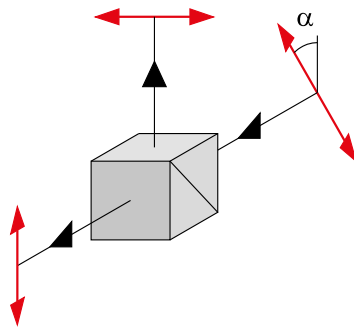
### FEATURES

The polarization beam splitters 48PM-CC are polarization dependent cube beam splitters. They have an adjustable mount and are designed to be integrated into the [multicube system](#).

- Beam splitting cube
- Polarization depending
- Extinction ratio up to 10,000 : 1
- Clear aperture up to 7 mm
- Reflection angle 90°
- Broadband AR coating
- In adjustable mount
- Shipped with clamp collar

## DESCRIPTION

The polarization beam splitters 48PM-CC are polarization depending cube beam splitters. The splitting ratio is e.g. 50:50 for linearly polarized input radiation with polarization direction  $\alpha = 45^\circ$ . Maximum transmission is reached at  $\alpha = 0^\circ$  (p-pol.) with maximum reflection at  $\alpha = 90^\circ$  (s-pol.).



## ORDER OPTIONS

Order Code	Series	Wavelength Range	Extinction	Clear Aperture
<a href="#">48PM-CC-A</a>	<a href="#">48PM-CC</a>	450 - 700 nm	10,000 : 1	Ø 7 mm
<a href="#">48PM-CC-B</a>	<a href="#">48PM-CC</a>	750 - 1100 nm	10,000 : 1	Ø 7 mm
<a href="#">48PM-CC-C</a>	<a href="#">48PM-CC</a>	1100 - 1700 nm	10,000 : 1	Ø 7 mm
<a href="#">48PM-CC-W</a>	<a href="#">48PM-CC</a>	450 - 1000 nm	10,000 : 1	Ø 7 mm
<a href="#">48PM-CC-V</a>	<a href="#">48PM-CC</a>	390 - 480 nm	10,000 : 1	Ø 3.5 mm
<a href="#">48PM-CC-370-420</a>	<a href="#">48PM-CC</a>	370 - 420 nm	500 : 1	Ø 3.5 mm
<a href="#">48PM-CC-297-313</a>	<a href="#">48PM-CC</a>	297 - 313 nm	500 : 1	Ø 3.5 mm
<a href="#">48PM-CC-RGB</a>	<a href="#">48PM-CC</a>	400 - 700 nm	200 : 1	Ø 3.5 mm

## DOWNLOADS



[980120190200.pdf \(Dimensional drawing\)](#)

## RELATED PRODUCTS

### MULTICUBE SYSTEM

Multicube-Components and Systems

This is a printout of the page <https://sukhamburg.com/products/fiberoptics/multicube/optics/beamsplitter/pbs.html> from 4/25/2024

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