

Polarizers 48PM-S

Polarizing beam splitting cube, in adjustment mount



FEATURES

The polarization beam splitting cubes 48PM-S are used for polarization cleaning purposes in combination with PM fiber couplings. Only light with the correct polarization direction is transmitted. They have an adjustable mount and are designed to be integrated into the [multicube system](#).

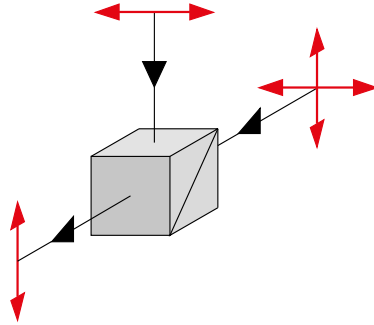
- Polarizing beam splitting cube
- Extinction ratio up to 10,000 : 1
- Clear aperture 3.5 mm
- Broadband AR coating
- In adjustable mount

Different designs are available:

- System mount Ø 19.5 mm
- Decentered system mount Ø 19.5 for use in combination with beam splitting plates
- System mount Ø 19.5 mm and with integrated attenuator
- Laterally adjustable mount

DESCRIPTION

The polarization beam splitting cubes 48PM-S are used for polarization cleaning purposes in combination with PM fiber couplings. Only light with the correct polarization direction is transmitted.



ORDER OPTIONS

Order Code	Series	Wavelength Range	Extinction	Clear Aperture	Decentered Attenuator	
48PM-S-A	48PM-S	450 - 700 nm	10,000 : 1	Ø 3.5 mm	-	-
48PM-S-B	48PM-S	750 - 1100 nm	10,000 : 1	Ø 3.5 mm	-	-
48PM-S-C	48PM-S	1100 - 1700 nm	10,000 : 1	Ø 3.5 mm	-	-
48PM-S-W	48PM-S	450 - 1000 nm	10,000 : 1	Ø 3.5 mm	-	-
48PM-S-V	48PM-S	390 - 480 nm	10,000 : 1	Ø 3.5 mm	-	-
48PM-S-370-420	48PM-S	370 - 420 nm	500 : 1	Ø 3.5 mm	-	-
48PM-S-297-313	48PM-S	297 - 313 nm	500 : 1	Ø 3.5 mm	-	-
48PM-S-RGB	48PM-S	400 - 700 nm	1,000 : 1	Ø 3.5 mm	-	-
48PM-S-D-A	48PM-S-D	450 - 700 nm	10,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-B	48PM-S-D	750 - 1100 nm	10,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-C	48PM-S-D	1100 - 1700 nm	10,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-W	48PM-S-D	450 - 1000 nm	10,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-V	48PM-S-D	390 - 480 nm	10,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-370-420	48PM-S-D	370 - 420 nm	500 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-297-313	48PM-S-D	297 - 313 nm	500 : 1	Ø 3.5 mm	0.3 mm	-
48PM-S-D-RGB	48PM-S-D	400 - 700 nm	1,000 : 1	Ø 3.5 mm	0.3 mm	-
48PM-SXY-1-A	48PM-SXY-1	450 - 700 nm	10,000 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-B	48PM-SXY-1	750 - 1100 nm	10,000 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-C	48PM-SXY-1	1100 - 1700 nm	10,000 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-W	48PM-SXY-1	450 - 1000 nm	10,000 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-V	48PM-SXY-1	390 - 480 nm	10,000 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-370-420	48PM-SXY-1	370 - 420 nm	500 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-297-313	48PM-SXY-1	297 - 313 nm	500 : 1	Ø 3.5 mm	adjustable	-
48PM-SXY-1-RGB	48PM-SXY-1	400 - 700 nm	1,000 : 1	Ø 3.5 mm	adjustable	-
48PM-AT-19.5AC-A	48PM-AT-19.5AC	450 - 700 nm	10,000 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-B	48PM-AT-19.5AC	750 - 1100 nm	10,000 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-C	48PM-AT-19.5AC	1100 - 1700 nm	10,000 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-W	48PM-AT-19.5AC	450 - 1000 nm	10,000 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-V	48PM-AT-19.5AC	390 - 480 nm	10,000 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-370-420	48PM-AT-19.5AC	370 - 420 nm	500 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-297-313	48PM-AT-19.5AC	297 - 313 nm	500 : 1	Ø 3.5 mm	-	x
48PM-AT-19.5AC-RGB	48PM-AT-19.5AC	400 - 700 nm	1,000 : 1	Ø 3.5 mm	-	x

ACCESSORIES

**POLARIZATION
ANALYZER SK010PA**

Measurement tool for coupling into polarization-maintaining fiber cables

RELATED PRODUCTS

MULTICUBE SYSTEM

Multicube-Components and Systems

This is a printout of the page <https://sukhamburg.com/products/fiberoptics/multicube/optics/polarizer.html> from 5/8/2024

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