

Polarization Filters 5PF

for attaching to 60FC Fiber Collimators



FEATURES

Polarization filters with system mount Ø 8 mm for attaching to [60FC](#) Fiber Collimators (with outer diameter Ø 12 mm).

These filters transmit only the linear polarized component of the radiation.

There are two series:

- Polarization beam splitter cubes with deflection of the unwanted orthogonally polarized radiation
- Dichroic polarization filter. The filter is laminated to a glass substrate with an 1.5° inclined mounting in order to avoid direct back-reflections
- Free rotation for best adjustment with positional locking using radially arranged screws.
- Polarization extinction ratio 10.000:1
- Surface deviation $< \lambda/4$
- Wavelength range UV - IR
- Broadband AR Coating
- Optional long-form housing (-L) with system mount Ø 8 mm for adding additional attachment optics

ORDER OPTIONS

Order Code	Series	Polarizer Type	Spectral Range	Extinction	Transmission	Clear Aperture	System Mount	Front Fitting
5PF-P-600-S	5PF-P	dichroic	600 - 850 nm	$10^4 : 1$	> 84 - 93 %	5 mm	Ø 8 mm	-
5PF-P-750-S	5PF-P	dichroic	750 - 1250 nm	$10^4 : 1$	> 87 - 93 %	5 mm	Ø 8 mm	-
5PF-P-1300-S	5PF-P	dichroic	1280 - 1500 nm	$10^4 : 1$	> 96 - 98 %	5 mm	Ø 8 mm	-
5PF-P-600-L	5PF-P	dichroic	600 - 850 nm	$10^4 : 1$	> 84 - 93 %	5 mm	Ø 8 mm	Ø 8 mm
5PF-P-750-L	5PF-P	dichroic	750 - 1250 nm	$10^4 : 1$	> 87 - 93 %	5 mm	Ø 8 mm	Ø 8 mm
5PF-P-1300-L	5PF-P	dichroic	1280 - 1500 nm	$10^4 : 1$	> 96 - 98 %	5 mm	Ø 8 mm	Ø 8 mm
5PF-C-400-S	5PF-C	cube	390 - 480 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	-
5PF-C-450-S	5PF-C	cube	450 - 700 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	-
5PF-C-750-S	5PF-C	cube	750 - 1100 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	-
5PF-C-1100-S	5PF-C	cube	1100 - 1700 nm	$10^4 : 1$	> 98 %	4 mm	Ø 8 mm	-
5PF-C-400-L	5PF-C	cube	390 - 480 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	Ø 8 mm
5PF-C-450-L	5PF-C	cube	450 - 700 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	Ø 8 mm
5PF-C-750-L	5PF-C	cube	750 - 1100 nm	$10^4 : 1$	> 95 %	4 mm	Ø 8 mm	Ø 8 mm
5PF-C-1100-L	5PF-C	cube	1100 - 1700 nm	$10^4 : 1$	> 98 %	4 mm	Ø 8 mm	Ø 8 mm

ACCESSORIES

POLARIZATION ANALYZER SK010PA

Measurement tool for coupling into polarization-maintaining fiber cables

This is a printout of the page

<https://sukhamburg.com/products/fiberoptics/fibercoupler/accessories/attachmentoptics/pf/5.html> from 5/1/2024

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