

Linear Polarizing Films

Film polarizers consist of long chain polymers, which are aligned by a stretching process to produce the polarization effect. To protect the polarizing film it is covered on both sides with cellulose acetobutyrate (CAB) and is therefore mechanically stable.

Applications:

- Remote sensing for factory automation
- Inspection
- Mechanical stress analysis (photoelasticity)
- Lighting for machine vision and other imaging applications
- 3D image projecting
- Scientific & research measurements and demonstrations

Type:	P-W76 0.3	P-W76 0.8	P-W64 0.4
Transmission (single) ¹ :	38 %	38%	32%
Transmission (parallel pair) ¹ :	29 %	29%	20%
Extinction ratio (crossed pair) ¹ :	10,000:1	10,000:1	40,000:1
Thickness:	0.3 mm	0.8 mm	0.4 mm
Maximum size ² :	431mm x 1270mm	431mm x 1270mm	559mm x 914mm

Order instructions:

IFK – Type – Thickness – Size

Type: P-W76, P-W64

Thickness: 0.3/0.8 (P-W76), 0.4 (P-W64)

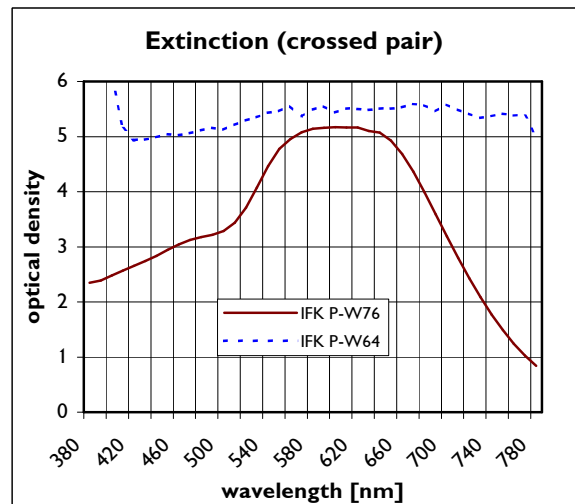
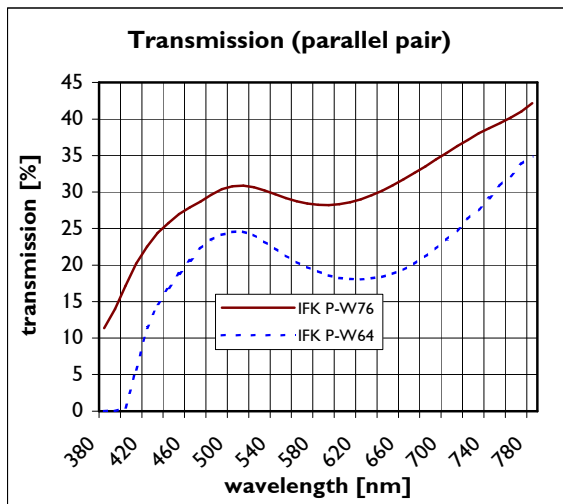
Size³: length [mm] x width [mm]

Examples:

IFK – P-W76 – 0.8 – 431x1270

IFK – P-W64 – 0.4 – 559x914

IFK – P-W76 – 0.3 – 400x400



¹ Average over wavelength range 380nm – 780nm for unpolarized light

² The axis of polarization is parallel to the short edge (orientation for maximum transmission for linear polarized light).

³ The orientation of the polarization axis must be indicated for custom specific shapes and sizes

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Jos. Schneider Optische Werke GmbH is certified ISO 9001.

We accept no responsibility for any errors and reserve the right of modification without further notice.

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