

# In-Line Fiber Optic Polarizer



In-line polarizer is designed to pass linearly polarized light while blocking the orthogonal polarization from an unpolarized (or randomly polarized) light source. It is ideal for fiber optic networks and measurement applications, including polarization analysis, polarization monitoring and control, polarization mode dispersion (PMD) monitoring, and polarization extinction ratio (PER) improvement, also used for polarization-maintaining fiber amplifiers, fiber lasers, and high-speed communication systems and instrumentation.

## Specification

Parameter	Unit	Value						
Center Wavelength	nm	532	630	780, 850	980	1064, 1030	1310, 1550	1950
Bandwidth	nm	±10	±10	±10	±10	±30	±50	±10
Typ. Insertion Loss at 23°C	dB							0.8
Max. Insertion Loss at 23°C	dB	1.8	1.8	1.0	0.9	0.6	0.6	1.0
Min. Extinction Ratio at 23°C	dB	20	24	25	25	28	28	28
Min. Return loss	dB	50						
Max. Optical Power (CW)	mW	300						
Max. Tensile Load	N	5						
Fiber Type	PM	PM460	PM630	PM850	PM980	PM980	PM1310 PM1550	PM1950 PM1550
	SM	SM460	SM630	HI780	HI1060	HI1060	SMF-28e	SM1950
		Fiber option: Single mode to Single mode, Single mode to PM, PM to Single mode, PM to PM						
Operating Temperature	°C	-5 to +70						
Storage Temperature	°C	-40 to +85						
Dimension	mm	5.5x35, 3.6x30						

Above specification is for device without connectors.

For device with connectors, IL will be 0.3dB higher, RL 5dB lower and ER 2dB lower.

The PM fiber and the connector key are aligned to the slow axis.

## Dimension

