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NoTail and Pigtailed Components
In-line Polarizer

This in-line polarizer is designed for fiber optic networks and measurement applications. Applications include polarization analysis, polarization monitoring and control, SNR monitoring, PMD monitoring, spectrum filtering and control, polarization extinction ratio improvement, fiber laser mode-locking, and polarization interferometry. When combined with a polarization controller, the polarizer can function as a variable optical attenuator to adjust the optical power in the fiber. It polarizer integrates a high-ER micro-polarizer in a rugged stainless steel package for high optical performance and stability. This compact device offers low insertion loss, low back reflection, and high extinction ratio. Both pigtailed and NoTail™ versions are available. The unique NoTail™ package has the advantage of eliminating polarization disturbances caused by fiber pigtails.

Specifications:

Operating Wavelength		1550, 1310 nm	1064 nm
Operating Bandwidth		±50 nm	±30 nm
Insertion Loss[1]		0.3 dB typical 0.5 dB max.	0.4 dB typical 0.6 dB max.
Return Loss		50 dB	50 dB
Extinction Ratio	SM Output	40 dB typical, 30 dB min.	30 dB typical, 28 dB min
	PM Output	30 dB typical, 28 dB min.	
Optical Power Handling		300 mW min.	
Operating Temperature		0 to 70 °C	
Storage Temperature		-40 to 85 °C	
Fiber Type		SM: SMF-28 or HI 1060 PM: PM Panda fiber	
Dimensions		Ø 5.5 × 35 mm (pigtailed), Ø 9.5 × 65 mm (NoTail™)	

Note: Values are referenced without connectors.
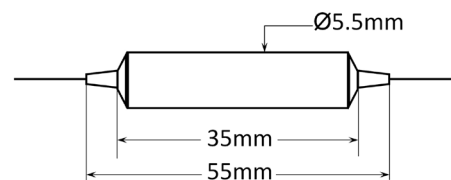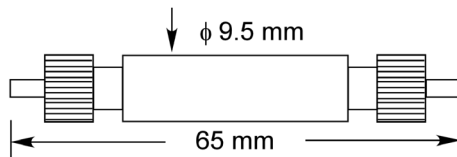1. Insertion loss for NoTail™ version can be up to 0.1 dB higher, excluding connector loss.

Features:

· Compact size
· Low insertion loss
· High extinction ratio
· Low back reflection
· Rugged design
· NoTail™ model available

Applications:

· Eliminating unwanted polarization state
· PMD monitoring
· Polarization interferometer

Dimensions:

Ordering Information:

Visit our website at www.generalphotonics.com for detailed configuration information.