In-line Isolator

These isolators are the smallest in size but the highest in quality in the market. They are ruggedly built to function reliably in a wide variety of environments. The small size, polarization insensitivity, low loss, and low reflection combine to make these isolators ideal for integration in many fiber optic systems. We also offer the NoTail™ version to eliminate the dreadful headaches of pigtail handling. The short optical path (~ 7 cm) of the NoTail™ isolator is most desirable for ultra-short pulse and interferometric applications.

Specifications:

Stage	Single Stage	Double Stage
Peak Isolation	> 40 dB	> 52 dB
Min. Isolation	> 32 dB	> 45 dB
Insertion Loss (Typical)	0.4 dB	0.5 dB
Insertion Loss (Max.)	0.5 dB	0.6 dB
Return Loss (Input/Output)	> 60/55 dB	> 60/55 dB
Operating Bandwidth	± 15 nm	± 30 nm
PMD (SMF-28 model)	< 0.1 ps	< 0.05 ps
PDL (SMF-28 model)	< 0.1 dB	< 0.1 dB
Extinction Ratio (PM model)	> 18 dB	> 18 dB
Operating Center Wavelength	1550 nm, 1310 nm	
Optical Power Handling	500 mW min.	
Operating Temperature	0 ~ 70 °C	
Storage Temperature	-40 ~ 85 °C	
Fiber Type	SM: Corning SMF-28 PM: Fujikura PM Panda fiber	
Dimensions	Ø 5.5 x 32 mm (w/ pigtail), Ø 9.5 x 65 mm (NoTail™)	

Features:

- Polarization insensitive
- NoTail™ model available
- Low loss and low reflection
- Compact size
- Environmentally stable
- High quality

Applications:

- Fiber optics amplifier
- WDM systems
- Transmitters and fiber lasers
- R&D laboratories

Ordering Information:

ISO — □ — □□ — □□ — □□ — □□□ — □□

S = Single stage D = Double stage	13 = 1310 nm 15 = 1550 nm	Pigtailed: SS = SM to SM PP = PM to PM NoTail™: NTSS = SM to SM NTPP = PM to PM	Connector type: FC/PC, FC/APC SC/PC, SC/APC or NC = no connectors Others specify	25 = 250 µm jacket 90 = 900 µm jacket

© 2003 General Photonics Corporation, All rights reserved.