

0105 Hybrid Device

H2300-S



980 nm/1550 nm WDM Hybrid Isolator

The H2300-S is a combination of a 980 nm/1550 nm filter and a 1550 nm polarization insensitive optical isolator. This product is a low cost model with excellent performance including low insertion loss, high isolation, high return loss, low polarization dependent loss (PDL), and low polarization mode dispersion (PMD). This product offers integrated solution to EDFA application by combining more functions into a very compact package.

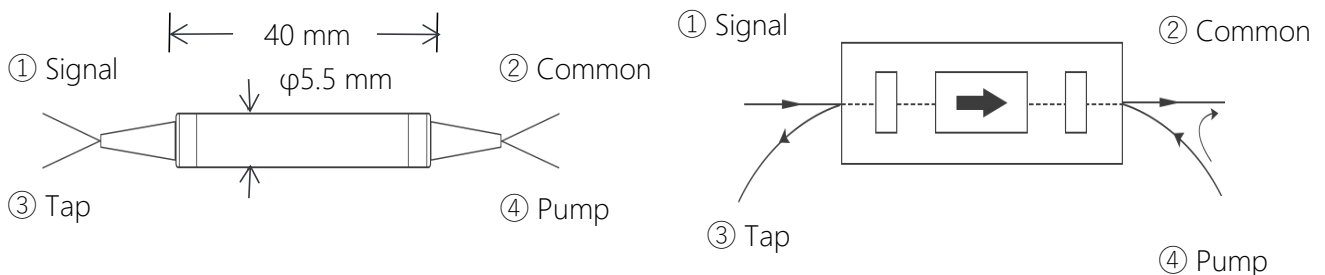
FEATURES

- Wide Operating Wavelength Range
- Low Insertion Loss
- Epoxy Free on Optical Path
- High Channel Isolation
- Ultra Low PDL & PMD
- High Stability and Reliability

USE IN

- Fiber Optic Amplifiers
- HFC Fiber Optic Links
- WDM Systems
- Fiber Optic Instruments
- Transmitters and Fiber Lasers
- Laboratory R&D

MECHANICAL DRAWING



0105 Hybrid Device

Stage	Single Stage	Dual Stage
Signal Operation Wavelength Range	C-band: 1528 nm to 1564 nm L-band: 1570 nm to 1605 nm	
Pump Channel Wavelength Rang	965 nm to 1000 nm	
Isolation@23°C, All SOP)	31 dB min.	45 dB min.
Isolation (1 to 3 @ λ Signal)	12 dB min.	
Wavelength Isolation (1 to 2 or 2 to 1@λ Pump)	30 dB min.	
Insertion Loss	Pump Channel	0.6 dB max.
	Signal Channel	1.2 dB max. 1.3 dB max.
Temperature Dependent Loss	0.25 dB max.	0.05 dB max.
Wavelength Dependent Loss	0.5 dB max.	
Return Loss	55 dB min.	
Directivity	55 dB min.	
PDL	0.1 dB max.	0.2 dB max.
Power Handling	300 mW	
Operating Temperature	-10°C to +75°C	
Fiber Type	Corning HI1060 Fiber at Common and Pump Port	
	Corning SMF-28 Fiber at Signal and Tap Port	