

0105 Hybrid Device

H2000-S



980 nm/1550 nm Tap Coupler+ Isolator+WDM

This product has a low insertion loss, a very stable tap-coupling ratio, high isolation, and high return loss. This product offers an integrated solution for EDFA application by combining more functions into a very compact package.

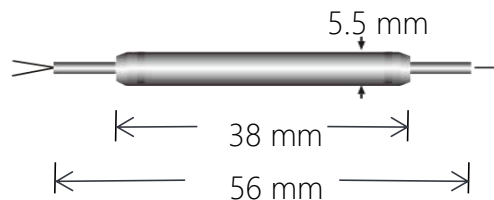
FEATURES

- 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
- WDM Systems
- Fiber Optic Instruments
- Transmitters and Fiber Lasers

MECHANICAL DRAWING



Stage	Single Stage	Dual Stage
Signal Operation Wavelength Range	C-band: 1530 nm to 1565 nm	
Pump Channel Wavelength Range	960 nm to 990 nm	
Isolation (Over Signal Wavelength Range, All SOP)	30 dB min.	42 dB min.
Isolation (4 to 2 @ λ Signal)	15 dB min.	
Isolation (1 to 2 or 2 to 1 @ λ Pump)	30 dB min.	
Insertion Loss	Pump Channel	0.6 dB max.
	Signal Channel	1.3 dB max. 1.4 dB max.
	Tap Ratio 1%	19.0 dB to 21.0 dB
	Tap Ratio 2%	16.2 dB to 18.0 dB
	Tap Ratio 5%	12.2 dB to 14.0 dB
Temperature Dependent Loss	0.25 dB max.	0.3 dB max.
Wavelength Dependent Loss	0.5 dB max.	
Return Loss	50 dB min.	
Directivity	50 dB min.	
PDL	0.15 dB max.	0.2 dB max.
Power Handling	300 mW	
Operating Temperature	-10°C to +75°C	
Dimension	5.5x5.5x38 mm	
Fiber Type	HI 1060 Fiber at Common/ Pump Port	
	HI 1060 Fiber or SM Fiber at Common Port SM Fiber at Signal Port	

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.

1) Connector FC/APC, 900 μ m, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.