

0105 Hybrid Device

H2100-S



1480 nm/1550 nm Tap Coupler+ Isolator+WDM

The 1480 nm/1550 nm tap coupler/isolator hybrid is the combination of a wavelength division multiplexer, tap coupler and an isolator in a compact package. This product has an extremely 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.

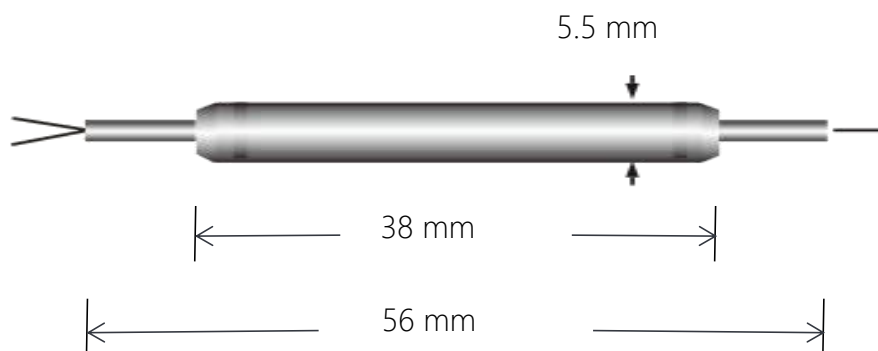
FEATURES

- 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
- 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: 1530 nm to 1565 nm		
Pump Channel Wavelength Rang	1450 nm to 1490 nm		
Isolation (@ 23°C All SOP)	30 dB min.	42 dB min.	
Wavelength Isolation (3 to 1 @ λ Signal)	15 dB min.		
Wavelength Isolation (1 to 2 or 2 to 1 @ λ Pump)	25 dB min.		
Insertion Loss	Signal Channel	0.8 dB max.	1.0 dB max.
	Temperature Dependent Loss	0.25 dB max.	0.3 dB max.
Wavelength Dependent Loss	0.4 dB max.	0.5 dB max.	
Return Loss	50 dB min.		
Directivity	50 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 SMF-28 Fiber at Signal and Tap Port		
Package Dimension	5.5x5.5x38 mm		