

0105 Hybrid Device

H2400-S



1480 nm/1550 nm WDM Hybrid Isolator

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.

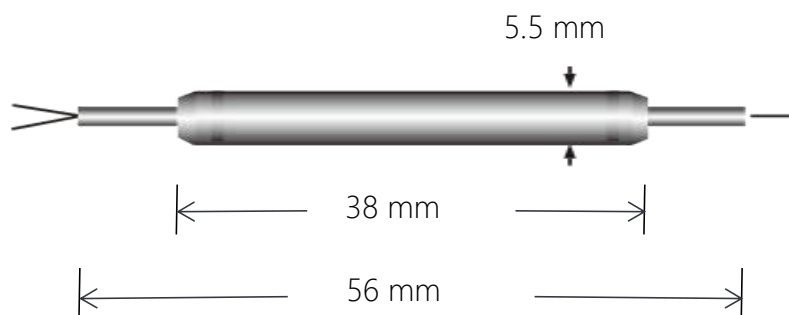
FEATURES

- 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)	31 dB min.	45 dB min.
Wavelength Isolation (1 to 3 @ λ Signal)	15 dB min.	
Wavelength Isolation (1 to 2 or 2 to 1 @ λ Pump)	25 dB min.	
Insertion Loss	Pump Channel	0.6 dB max.; 0.4 dB typ.
	Signal Channel	0.8 dB max. 1.0 dB max.
Wavelength Dependent Loss	0.5 dB max.	
Return Loss	55 dB min.	
Directivity	55 dB min.	
PDL	0.15 dB max.; 0.05 dB typ.	
Power Handling	300 mW	
Operating Temperature	-10°C to +75°C	
Dimension	5.5x5.5x38 mm	
Fiber Type	Corning SMF-28 Fiber at Signal and Tap Port	