

# 0105 Hybrid Device

**H1005-S**



## 2x2 WDM Hybrid Combiner + Coupler (1480 nm/1550 nm), 5%/95%

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

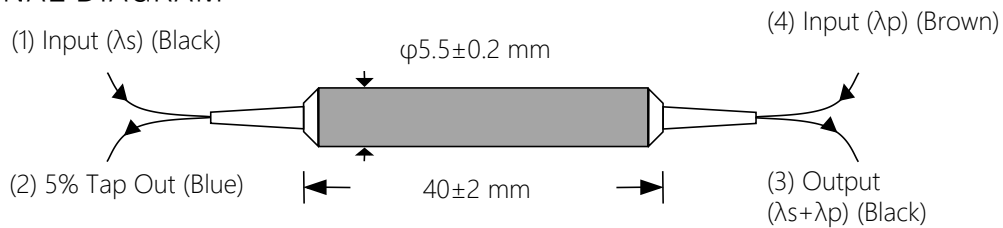
### FEATURES

- 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
- Laboratory R&D

### FUNCTIONAL DIAGRAM



Insertion Loss	@1530 nm to 1565 nm (1)→(3)	0.76 dB max.
	@1450 nm to 1490 nm (3)↔(4)	0.34 dB max.
	@1530 nm to 1565 nm (5% Tap) (1)→(2)	13.21 dB to 13.14 dB
Isolation	@1450 nm to 1490 nm (1)→(3)	30 dB min.
	@1530 nm to 1565 nm (3)↔(4)	13 dB min.
PDL		0.1 dB max.
Pass Band Flatness		0.3 dB max.
Directivity	(1)→(3)	60 dB min.
	(3)↔(4)	75 dB min.
Return Loss		50 dB min.
Fiber Type		SM Fiber

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

**1) Connector FC/APC, 900 um, 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.**