

0105 Hybrid Device

H1005-S



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

The H1005-S is a 2x2 1480 nm/1550 nm, 5%/95% hybrid combiner+coupler. This product offers an integrated solution for EDFA application by combining more functions into a very compact package.

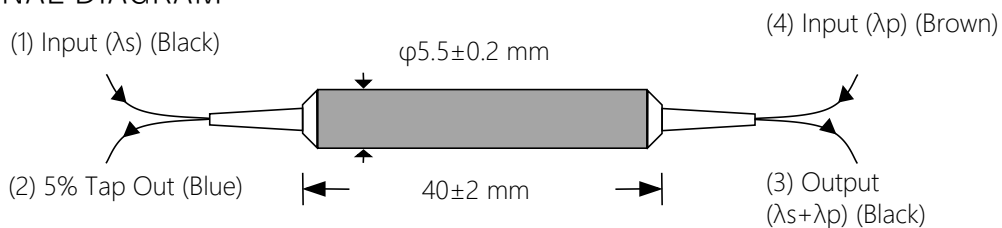
FEATURES

- 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

FUNCTIONAL DIAGRAM



Insertion Loss	@1530 nm to 1565 nm (1)→(3)	0.73 dB max.
	@1450 nm to 1490 nm (3)↔(4)	0.29 dB max.
Isolation	@1530 nm to 1565 nm (5% Tap) (1)→(2)	13.21 dB to 13.24 dB
	@1450 nm to 1490 nm (1)→(3)	30 dB min.
PDL	@1530 nm to 1565 nm (3)↔(4)	13 dB min.
		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		Corning SMF-28, 250 μm
Fiber Length (Each End)		1 m min.
Connectors		None