

0105 Hybrid Device



2x2 WDM Hybrid Combiner+Isolator (1460 nm to 1490 nm/1530 nm to 1565 nm), 1%/99%

The H1000-S is a 2x2 1460 nm to 1490 nm/1530 nm to 1565 nm, 1%/99% hybrid combiner+isolator. This product has an extremely 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
- Ultra Low PDL & PMD
- High Channel Isolation
- High Stability and Reliability
- Epoxy Free on Optical Path

USE IN

- Fiber Optic Amplifiers
- HFC Fiber Optic Links
- WDM Systems
- Fiber Optic Instruments
- Transmitters and Fiber Lasers
- Laboratory R&D

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|----------------|--------------------------------|--------------|-------|
| Insertion Loss | @1550 nm (C)→(P) | 0.28 dB | |
| | @1480 nm (S)→(P) | 0.11 dB | |
| Flatness | 1% Tap@1550 nm (C)→(R) | 20.11 dB | |
| | 1530 nm-1565 nm (C)→(P) | 0.2 dB max. | |
| | 1460 nm-1490 nm (S)→(P) | 0.15 dB max. | |
| | 1% Tap 1530 nm-1565 nm (C)→(R) | 0.25 dB max. | |
| Isolation | 1530 nm-1565 nm (P)→(S) | 13 dB min. | |
| | @1530 nm (P)→(C) | 0 °C | 25 dB |
| | | 23 °C | 36 dB |
| | | 70 °C | 35 dB |
| | 1530 nm-1565 nm (C)→(P) | 0 °C | 36 dB |
| | | 23 °C | 32 dB |
| 70 °C | | 25 dB | |
| PDL | 1530 nm-1565 nm (C)→(P) | 0.11 dB max. | |
| | 1460 nm-1490 nm (S)→(P) | 0.05 dB max. | |
| | 1% Tap 1530 nm-1565 nm (C)→(R) | 0.05 dB max. | |
| Directivity | (S)→(C) | 60 dB min. | |
| | (S)→(R) | 70 dB min. | |
| | (P)→(R) | 58 dB min. | |