

0105 Hybrid Device

H1004-S



2x2 WDM Hybrid Isolator (1480 nm), 1%/99%

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.

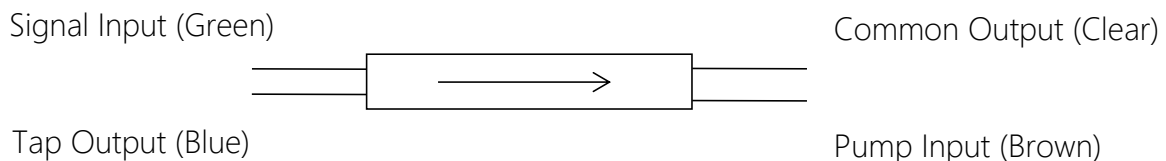
FEATURES

- 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



Signal: 1530 nm to 1563 nm, Pump: 1460 nm to 1490 nm	
Insertion Loss (Signal Path)	1.1 dB max.
PDL	0.15 dB max.
Insertion Loss (Tap Path)	19 dB min.; 21 dB max.
Insertion Loss (Pump Path)	0.6 dB max.
Return Loss (All Path)	50 dB min.
Isolation (1530 nm)	30 dB min.
Isolation (1563 nm)	30 dB min.
Directivity (Pump Input to Tap, 1480 nm)	85 dB
Directivity (Signal Output to Tap, 1550 nm)	70 dB
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.