

0105 Hybrid Device




1x2 WDM Hybrid Isolator (1480 nm/1550 nm)

The H1009-S is a 1x2 1480 nm/1550 nm hybrid 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

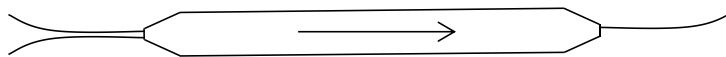
- Wide Operating Wavelength Range
- Low Insertion Loss
- Epoxy Free on Optical Path
- High Channel Isolation
- Ultra Low PDL & PMD
- High Stability and Reliability

USE IN

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

FUNCTIONAL DIAGRAM

Common (Clear)



Pump Input (Brown)

Signal Output (Green)

23°C, Signal: 1550 nm, Pump: 1480 nm

Insertion Loss (Signal Path)	0.37 dB
PDL	0.03 dB
Insertion Loss (Pump Path)	0.13 dB
Return Loss (All Path)	50 dB min.
Isolation (1550 nm)	34 dB
Isolation (1480 nm)	24 dB