



## H1008-S

### 1x2 WDM Integrated Hybrid Isolator (1480 nm)

The H1008-S is a 1x2 integrated 1480 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)

Signal Output (Green)



Pump Input (Brown)

Signal: 1530 nm to 1565 nm, Pump: 1420 nm to 1495 nm	
Insertion Loss (Signal Path)	0.90 dB max.
PDL	0.15 dB max.
Insertion Loss (Pump Path)	0.5 dB max.
Return Loss (All Path)	50 dB min.
Isolation (1530 nm)	27 dB min.
Isolation (1563 nm)	27 dB min.
Fiber Type	Corning SMF28 9/125/250 $\mu$ m
Connector	None
Port Description	Clear: Common
	Green: Signal Output
	Brown: Pump Input