

0105 Hybrid Device

H2400-S



1480 nm/1550 nm WDM Hybrid Isolator

This product has a low insertion loss, a very stable tap-coupling ratio, high isolation, and high return loss. This product offers an integrated solution for EDFA application by combining more functions into a very compact package.

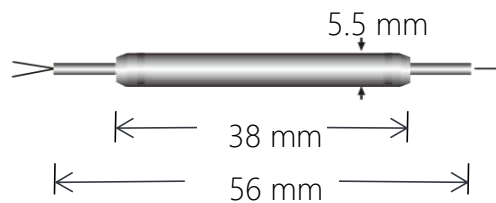
FEATURES

- 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

MECHANICAL DRAWING



| Stage | Single Stage | Dual Stage |
|---|----------------------------|--------------|
| Signal Operation Wavelength Range | 1530 nm to 1565 nm | |
| Pump Channel Wavelength Range | 1450 nm to 1490 nm | |
| Isolation (All SOP) | 30 dB min. | 42 dB min. |
| Isolation (1 to 3 @ λ Signal) | 15 dB min. | |
| Isolation (1 to 2 or 2 to 1 @ λ Pump) | 25 dB min. | |
| Insertion Loss | Signal Channel | 0.8 dB max. |
| | Temperature Dependent Loss | 0.25 dB max. |
| Wavelength Dependent Loss | 0.40 dB max. | 0.50 dB max. |
| Return Loss | 50 dB min. | |
| Directivity | 50 dB min. | |
| PDL | 0.10 dB max.; | 0.20 dB max. |
| Power Handling | 300 mW | |
| Operating Temperature | -10°C to +75°C | |
| Dimension | 5.5x5.5x38 mm | |
| 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 μ m, 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.