

0605 1310 nm to 1610 nm WDM

W1039-S



1x2 Thin Film Based WDM Combiner: 1500 nm to 1520 nm/1529 nm to 1565 nm

This bandpass filter utilizes thin-film technology to notch filter wavelengths of 1500 nm to 1520 nm/1529 nm to 1565 nm, ideal for C-band EDFA ASE filtering. It offers low insertion loss, flat response, and high isolation.

FEATURES

- Low Insertion Loss
- Low PDL
- Negligible PMD
- High Stability and Reliability

USE IN

- Building Broadband
- Low-noise EDFAs
- Raman Amplifiers for Ultra-long Haul Networks

| | | |
|--------------------------|------------------------------|--|
| Pass Channel C ↔ P | Wavelength Range λ_p | 1500 nm to 1520 nm |
| | Insertion Loss | 1.40 dB max. |
| | Flatness | 0.60 dB max. |
| | Isolation@ λ_R | 40 dB min. |
| | PDL | 0.10 dB max. |
| | Directivity P → R | 55 dB min. |
| Reflection Channel C ↔ R | Wavelength Range λ_R | 1529 nm to 1565 nm |
| | Insertion Loss | 0.50 dB max. |
| | Flatness | 0.10 dB max. |
| | Isolation@ λ_p | 10 dB min. |
| | PDL | 0.10 dB max. |
| | Directivity R → P | 55 dB min. |
| Return Loss | | 50 dB min. |
| Fiber Type | | Corning SMF-28, 900 μ m Loose Tube |
| Connector | | None |
| Dimension | | 5.5±0.2x40±2x40±2 mm |
| Fiber Length | | 1.0 m |