

0605 1310 nm to 1610 nm WDM

W1042-S



1x2 Thin Film Based WDM Combiner: 1434 nm to 1535 nm/1553 nm to 1609 nm

This WDM based pump combiner utilizes thin-film filter technology to combine two bands of wavelength. It features low insertion loss, low PDL, and negligible PMD. This device is used for building broadband, low noise Raman amplifiers for ultra-long haul networks.

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_s	1553 nm to 1609 nm
	Insertion Loss	0.80 dB max.
	Flatness	0.15 dB max.
	Isolation P → C @ λ_s	20 dB min.
	Isolation C → P @ 1434 nm to 1535 nm	20 dB min.
	Isolation C → P @ 1531±2 nm	25 dB min.
	PDL	0.10 dB max.
	Directivity P → R	60 dB min.
Reflection Channel C ↔ R	Wavelength Range λ_r	1434 nm to 1535 nm
	Insertion Loss	0.60 dB max.
	Flatness	0.25 dB max.
	Isolation @ λ_s	20 dB min.
	PDL	0.10 dB max.
	Directivity R → P @ 1531±2 nm	60 dB min.
Return Loss		50 dB min.
Fiber Type		SMF-28 250 micron
Connector		None
Dimension		5.5±0.2x5.5±0.2x32±2 mm
Fiber Length		1.50 m min.