

W1041-S



1x2 Thin Film Based WDM Combiner: 1527 nm to 1535 nm/1550 nm to 1615 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.

WDM/
CWDM Filter

WDM/
CWDM Filter

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	1550 nm to 1615 nm
	Insertion Loss	0.90 dB max.
	Flatness	0.20 dB max.
	Isolation C → P @ λ_s	30 dB min.
	Isolation C → P @ λ_p	18 dB min.
	PDL	0.10 dB max.
	Directivity P → R	55 dB min.
Reflection Channel C ↔ R	Wavelength Range λ_p	1527 nm to 1535 nm
	Insertion Loss	0.60 dB max.
	Flatness	0.15 dB max.
	Isolation@ λ_s	10 dB min.
	PDL	0.05 dB max.
	Directivity R → P	55 dB min.
Return Loss		50 dB min.
Fiber Type	SMF-28 250 micron	
Connector	None	
Dimension	5.5±0.2x32±2x32±2 mm	
Fiber Length	1.00 m min.	