



W1005-S

1x2 Thin Film Based WDM Combiner: 1510.1 nm to 1562.6 nm/1569.8 nm to 1610 nm

This WDM-based pump/signal combiner utilizes thin-film filter technology to combine the pump power with the input signal. It features low insertion loss, low PDL, and negligible PMD. This device is used for building broadband, low-noise EDFAs and Raman amplifiers for ultra-long haul networks. It is housed in a high-power handling metal package.

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	1569.8 nm to 1610 nm
	Insertion Loss	0.85 dB max.
	Flatness	0.25 dB max.
	Isolation@ λ_R	25 dB min.
	PDL	0.10 dB max.
	Directivity P → R	55 dB min.
Reflection Channel C ↔ R	Wavelength Range λ_R	1510.1 nm to 1562.6 nm
	Insertion Loss	0.60 dB max.
	Flatness	0.15 dB max.
	Isolation@ λ_p	12 dB min.
	PDL	0.10 dB max.
	Directivity R → P @1531±2 nm	55 dB min.
Return Loss		50 dB
Fiber Type		SMF-28 250 micro
Connector		None
Dimension		5.5±0.2x5.5±0.2x32 ±2 mm
Fiber Length		1.0±0.1 m