

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.

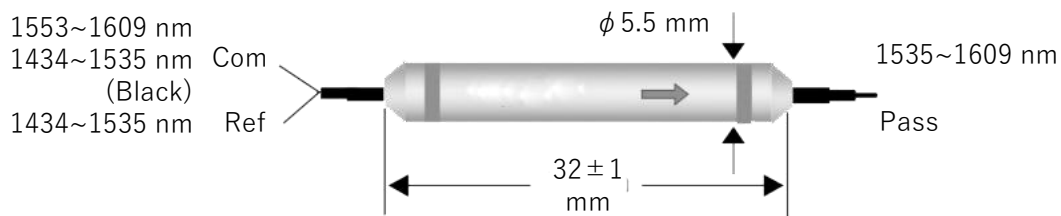
FEATURES

- 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

MECHANICAL DRAWING



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.
Reflection Channel C→R	Directivity P→R	60 dB min.
	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.
Return Loss	PDL	0.10 dB max.
	Directivity R→P @ 1531±2 nm	60 dB min.
Dimension		5.5±0.2×5.5±0.2×32±2 mm

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.