

W1045-S



1x2 Thin Film Based WDM Combiner: 1505 nm to 1515 nm/1529.5 nm to 1611 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.

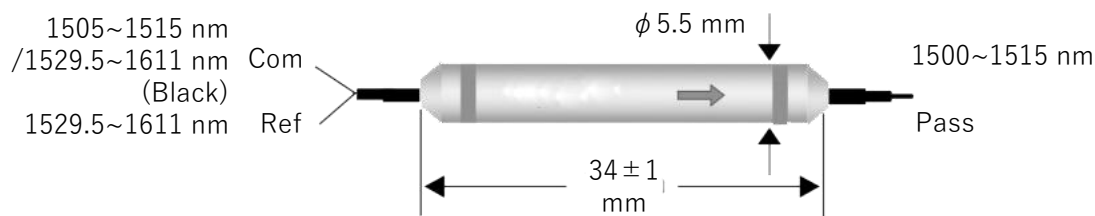
FEATURES

- 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_p	1505 nm to 1515 nm
	Insertion Loss	0.94 dB max.
	Flatness	0.09 dB max.
	Isolation@ λ_R	30 dB min.
	PDL	0.10 dB max.
	Directivity P→R	55 dB min.
Reflection Channel C→R	Wavelength Range λ_R	1529.5 nm to 1611 nm
	Insertion Loss	0.37 dB max.
	Flatness	0.12 dB max.
	Isolation@ λ_p	12 dB min.
	PDL	0.10 dB max.
	Directivity R→P	55 dB min.
	Return Loss	50 dB min.
	Dimension	5.5±0.1x5.5±0.1x34±1 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.