

W1002-S



1x2 Thin Film Based WDM Combiner: 1420 nm to 1490 nm/1530 nm to 1565 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.

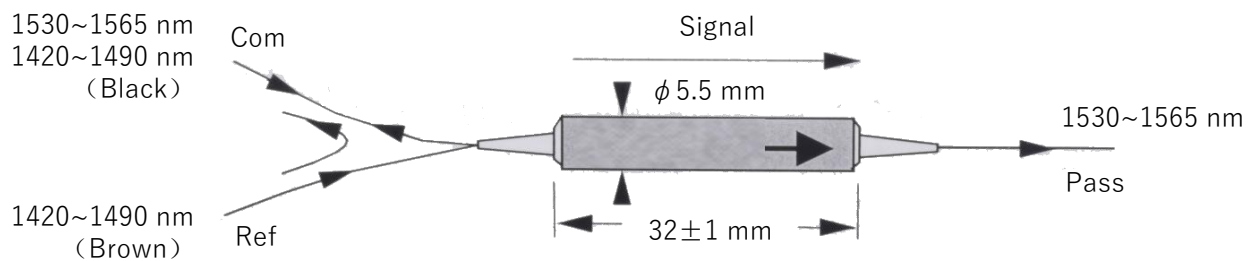
FEATURES

- 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

MECHANICAL DRAWING



Pass Channel C→P	Wavelength Range λ_p	1530 nm to 1565 nm
	Insertion Loss	0.42 dB max.
	Flatness	0.20 dB max.
	Isolation@ λ_R	30 dB min.
	PDL	0.13 dB max.
Reflection Channel C→R	Directivity P→R	58 dB min.
	Wavelength Range λ_R	1420 nm to 1490 nm
	Insertion Loss	0.15 dB max.
	Flatness	0.10 dB max.
	Isolation@ λ_p	13 dB min.
Return Loss	PDL	0.05 dB max.
	Directivity R→P@1531±2 nm	60 dB min.
Dimension		5.5x5.5x32±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.