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0305 1310 nm to 1610 nm WDM

W1007-S

1x2 Thin Film Based WDM Combiner: 1529 nm to 1562 nm/1529 nm to 1611 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.

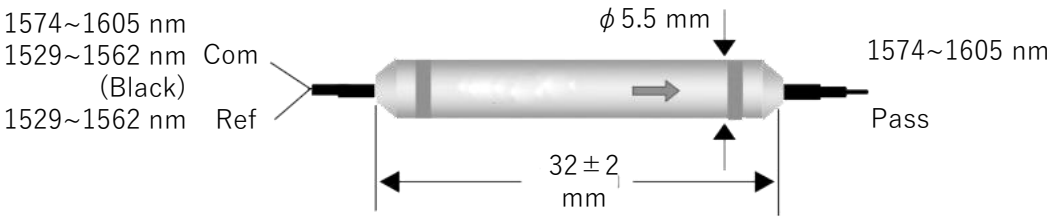
FEATURES

- 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 λp	1574 nm to 1605 nm
	Insertion Loss	0.90 dB max.
	Flatness	0.30 dB max.
	Isolation@λR	20 dB min.
	PDL	0.10 dB max.
	Directivity P→R	55 dB min.
Reflection Channel C→R	Wavelength Range λR	1529 nm to 1562 nm
	Insertion Loss	0.50 dB max.
	Flatness	0.10 dB max.
	Isolation@λp	10 dB min.
	PDL	0.10 dB max.
	Directivity R→P@1531±2 nm	55 dB min.
Return Loss		50 dB
Dimension		5.5±0.2x5.5±0.2x32±2 mm

Order notes to our customers: **The default parameters are as follows. For special needs, please contact sales.**

1) Connector FC/APC, 900 um, 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.