

# 0305 1310 nm to 1610 nm WDM

**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.

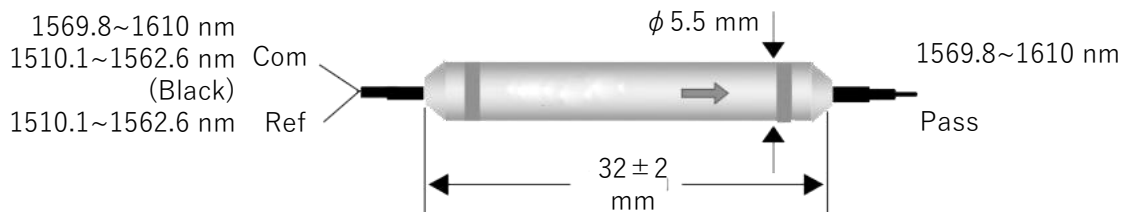
### FEATURES

- 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

### MECHANICAL DRAWING



Pass Channel C→P	Wavelength Range $\lambda_p$	1569.8 nm to 1610 nm
	Insertion Loss	0.85 dB max.
	Flatness	0.25 dB max.
	Isolation@ $\lambda_R$	25 dB min.
	PDL	0.10 dB max.
	Directivity P→R	55 dB min.
Reflection Channel C→R	Wavelength Range $\lambda_R$	1510.1 nm to 1562.6 nm
	Insertion Loss	0.60 dB max.
	Flatness	0.15 dB max.
	Isolation@ $\lambda_p$	12 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  $\mu$ 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.**