

# 0305 1310 nm to 1610 nm WDM

**W1046-S**



## 1x2 Thin Film Based WDM Combiner: 1450 nm to 1495 nm/1528 nm to 1610 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.

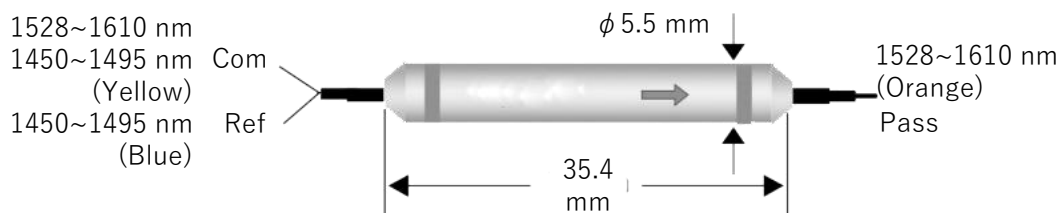
### FEATURES

- 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 $\lambda_p$	1528 nm to 1610 nm
	Insertion Loss	0.40 dB max.
	Flatness	0.20 dB max.
	Isolation@ $\lambda_R$	30 dB min.
	PDL	0.04 dB max.
	TDL	0.10 dB max.
	Directivity P→R	55 dB min.
Reflection Channel C→R	Wavelength Range $\lambda_R$	1450 nm to 1495 nm
	Insertion Loss	0.40 dB max.
	Flatness	0.15 dB max.
	Isolation@ $\lambda_p$	15 dB min.
	PDL	0.04 dB max.
	TDL	0.10 dB max.
Return Loss	50 dB min.	
Dimension	5.5x5.5x35.4 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.**