

W1003-S

1x2 Thin Film Based WDM Combiner: 1450 nm to 1500 nm/1565 nm to 1615 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, high isolation, and negligible PMD. This device is designed for building L-band EDFA and Raman amplifiers for ultra-long haul networks.

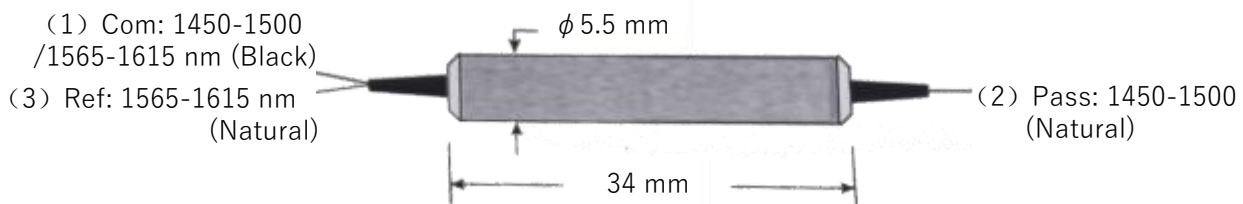
FEATURES

- Low Insertion Loss
- Low PDL
- Negligible PMD
- High Isolation

USE IN

- Building Broadband
- Low-noise EDFAs
- Raman Amplifiers for Ultra-long Haul Networks

MECHANICAL DRAWING



Pass Channel C→P	Wavelength Range p	1450 nm to 1500 nm
	Insertion Loss	0.34 dB max.
	Isolation@λR	65 dB min.
	PDL	0.13 dB max.
Reflection Channel C→R	Wavelength Range λR	1565 nm to 1615 nm
	Insertion Loss	0.18 dB max.
	Flatness	0.10 dB max.
	Isolation@λp	21 dB min.
	PDL	0.05 dB max.
Thermal Stability		0.005 dB/°C max.
Wavelength Temperature Dependence		0.004 nm/°C max.
Directivity		65 dB min.
Return Loss		59 dB min.
Dimension		5.5x5.5x34 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.