

## 0605 1310 nm to 1610 nm WDM

W1021-S



### 1x2 Thin Film Based WDM Combiner: 1410 nm to 1500 nm/1510 nm to 1625 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

Input Fiber [2] Wavelength	1410 nm to 1500 nm
Input Fiber [3] Wavelength	1510 nm to 1625 nm
Output Fiber [1] Wavelength	1410 nm to 1500 nm/1510 nm to 1625 nm
Insertion Loss: [1] to [3]	0.50 dB
Insertion Loss: [1] to [2]	0.50 dB
Isolation: [1] to [2] (dB)	30 dB typ.
Isolation: [1] to [3]	15 dB min.
Return Loss	55 dB min.
PDL	0.10 dB max.
Power Handling	1000 mW max.
Fiber Type	SMF-28-250 $\mu$ m
Package Dimension	5.5x5.5x32 mm