

## 0605 1310 nm to 1610 nm WDM

W1004-S



### 1x2 Thin Film Based WDM Combiner: 1410 nm to 1442 nm/1450 nm to 1512 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

Input Fiber [2] Wavelength	1410 nm to 1442 nm
Input Fiber [3] Wavelength	1450 nm to 1512 nm
Output Fiber [1] Wavelength	1410 nm to 1442 nm/1450 nm to 1512 nm
Insertion Loss: [1] to [3]	0.30 dB typ.
Insertion Loss: [1] to [2]	0.30 dB typ.
Isolation: [1] to [2] (dB)	30 dB typ.
Isolation: [1] to [3]	15 dB min.
Return Loss	50 dB min.
PDL	0.1 dB max.
Power Handling	1000 mW max.
Fiber Type	SMF-28-250 $\mu$ m
Package Dimension	5.7x5.7x33.5 mm