

W1049-S



1x2 Thin Film Based WDM Combiner: 1563 nm to 1567 nm/1500 nm to 1560 nm + 1570 nm to 1620 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.

WDM/
CWDM Filter

WDM/
CWDM Filter

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

Pass Band Wavelength Range	1563 nm to 1567 nm
Insertion Loss for Pass Channel	1.20 dB max.
Isolation for Pass Channel	25 dB min.
Reflection Band Wavelength Range	1500 nm to 1560 nm & 1570 nm to 1620 nm
Insertion Loss for Reflection Channel	0.80 dB max.
Isolation for Reflection Channel	15 dB min.
PDL	0.10 dB max.
Return Loss	50 dB min.
Directivity	55 dB min.
Fiber Type	SMF-28e, 900 µm Loose Tube
Fiber Length	1.0 m
Optical Power	300 mW max.
Max. Tensile Load	5 N
Operating Temperature	0 to +70 °C
Dimension	5.5x35 mm