

0605 1310 nm to 1610 nm WDM

W1030-S



1x2 1534.25 nm Filter

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

λ_{pb} =1529.75 to 1535 nm	λ_{r1} =1500 to 1526.25 nm	
λ_{r2} =1542.25 to 1620 nm	λ_c =1534.25 nm	
Insertion Loss	Port 1-2 @ λ_{pb}	0.46 dB
Flatness	Port 1-2 @ λ_{pb}	0.09 dB
Isolation	Port 1-2 @ λ_{r1}	31.6 dB
Isolation	Port 1-2 @ λ_{r2}	34.4 dB
Transmission Bandwidth @ 0.15 dB		10.17 dB
Transmission Bandwidth @ 20.0 dB		13.95 dB
Insertion Loss	Port 1-3 @ λ_{r1}	0.20 dB
Insertion Loss	Port 1-3 @ λ_{r2}	0.20 dB
Flatness	Port 1-3 @ λ_{r1}	0.04 dB
Flatness	Port 1-3 @ λ_{r2}	0.04 dB
Isolation	Port 1-3 @ λ_{pb}	20.5 dB
Insertion Loss	Port 1-2 @ λ_c	0.39 dB
Insertion Loss	Port 1-3 @ λ_c -10 nm	0.17 dB
Insertion Loss	Port 1-3 @ λ_c +10 nm	0.19 dB
Fiber Type		SMF-28 9/125/250 μ m
Fiber Length		1 m