

0605 1310 nm to 1610 nm WDM

W1029-S



1x2 1559.39 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

$\lambda_{pb}=1554.89$ to 1563.89 nm $\lambda_{r1}=1500$ to 1551.39 nm
 $\lambda_{r2}=1567.39$ to 1620 nm $\lambda_c=1559.39$ nm

Insertion Loss	Port 1-2 @ λ_{pb}	0.29 dB
Flatness	Port 1-2 @ λ_{pb}	0.06 dB
Isolation	Port 1-2 @ λ_{r1}	31.5 dB
Isolation	Port 1-2 @ λ_{r2}	27.1 dB
Transmission Bandwidth @ 0.15 dB		10.16 dB
Transmission Bandwidth @ 20.0 dB		14.33 dB
Insertion Loss	Port 1-3 @ λ_{r1}	0.31 dB
Insertion Loss	Port 1-3 @ λ_{r2}	0.32 dB
Flatness	Port 1-3 @ λ_{r1}	0.07 dB
Flatness	Port 1-3 @ λ_{r2}	0.04 dB
Isolation	Port 1-3 @ λ_{pb}	23.4 dB
Insertion Loss	Port 1-2 @ λ_c	0.25 dB
Insertion Loss	Port 1-3 @ λ_c-10 nm	0.27 dB
Insertion Loss	Port 1-3 @ λ_c+10 nm	0.30 dB
Fiber Type		SMF-28 9/125/250 μ m
Fiber Length		1 m