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0305 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.

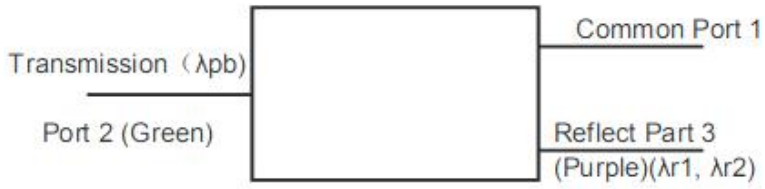
FEATURES

- 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

FUNCTIONAL DIAGRAM



λ pb=1529.75-1538.75 nm
λ r1=1500-1526.25 nm
λ r2=1542.25-1620 nm
λ c=1534.25 nm

λpb=1529.75 to 1535 nm λr2=1542.25 to 1620 nm	λr1=1500 to 1526.25 nm λc=1534.25 nm	
Insertion Loss	Port 1-2 @ λpb	0.46 dB
Flatness	Port 1-2 @ λpb	0.09 dB
Isolation	Port 1-2 @ λr1	31.6 dB
Isolation	Port 1-2 @ λr2	34.4 dB
Transmission Bandwidth @ 0.15 dB		10.17 dB
Transmission Bandwidth @ 20.0 dB		13.95 dB
Insertion Loss	Port 1-3 @ λr1	0.20 dB
Insertion Loss	Port 1-3 @ λr2	0.20 dB
Flatness	Port 1-3 @ λr1	0.04 dB
Flatness	Port 1-3 @ λr2	0.04 dB
Isolation	Port 1-3 @ λpb	20.5 dB
Insertion Loss	Port 1-2 @ λc	0.39 dB
Insertion Loss	Port 1-3 @ λc-10 nm	0.17 dB
Insertion Loss	Port 1-3 @ λc+10 nm	0.19 dB

Order notes to our customers: **The default parameters are as follows. For special needs, please contact sales.**

1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.

2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.