

0305 1310 nm to 1610 nm WDM

W1031-S



1x2 1542.54 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.

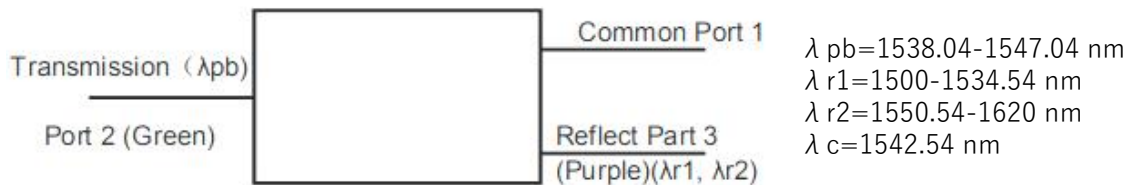
FEATURES

- 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



Insertion Loss	Port 1-2 @ λ_{pb}	0.25 dB
	Port 1-3 @ λ_{r1}	0.14 dB
	Port 1-3 @ λ_{r2}	0.17 dB
	Port 1-2 @ λ_c	0.22 dB
	Port 1-3 @ λ_c-10 nm	0.11 dB
	Port 1-3 @ λ_c+10 nm	0.13 dB
Flatness	Port 1-2 @ λ_{pb}	0.06 dB
	Port 1-3 @ λ_{r1}	0.05 dB
	Port 1-3 @ λ_{r2}	0.07 dB
Isolation	Port 1-2 @ λ_{r1}	31.1 dB
	Port 1-2 @ λ_{r2}	28.4 dB
	Port 1-3 @ λ_{pb}	23.3 dB
Transmission	@ 0.15 dB	10.07 dB
Bandwidth	@ 20.0 dB	14.20 dB

Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.
1) Connector FC/APC, 900 μ m, 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.