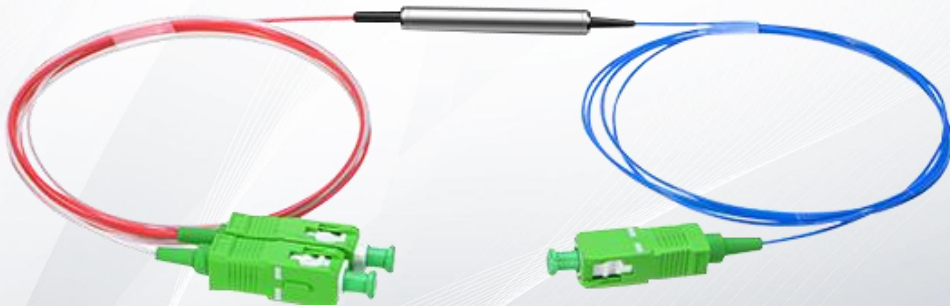


DWDM Filter Wavelength Division Multiplexer

Data Center & Cloud Computing Infrastructure Solutions



Overview

DWDM Optical Filter module multiplexes and demultiplexes wavelength signals in high speed optical networks. It is used to transmit a single DWDM channel and reflect other DWDM channels.

This filter-based wavelength division multiplexing (WDM) filter device can be customized to the particular wavelength bands for your special applications.

Features

- Low PDL
- Compact size
- High channel isolation
- Excellent environmental stability

Application

- DWDM Network

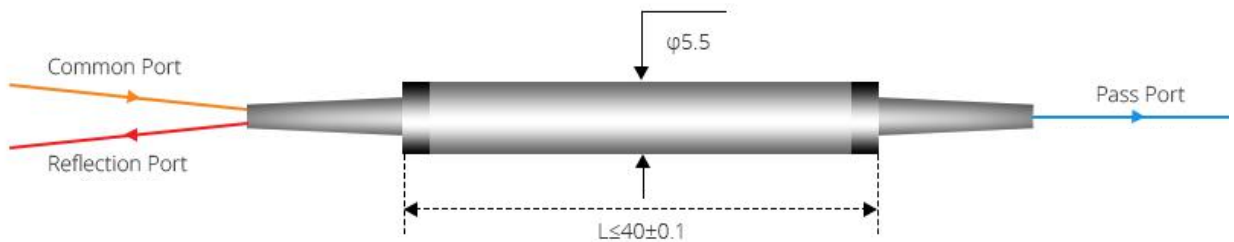
Technical Specification

Parameters	FS-DWDM Filter
Fiber Type	Single fiber
Wavelength	C21/C22/C23/C24/Custom
Cable Diameter*	900um for Steel Tube package 900um/2.0mm/3.0mm for ABS package
Pass Channel Insertion Loss	≤ 0.8dB
Reflect Channel Insertion Loss	≤ 0.4dB
Pass Channel Isolation	> 30dB
Reflect Channel Isolation	> 13dB
Polarization Dependent Loss (dB)	< 0.15dB
Input/Output Fiber Length	0.5m/1m/1.5m
Connector	None/LC/SC/FC/ST, UPC/APC polish
Polarization Mode Dispersion	< 0.10ps
Directivity (dB)	> 50dB
Passband Ripple	< 0.30dB
Package Type	Steel Tube/ABS
Return Loss	> 45dB
Operation Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

*Note: The cable diameter of the steel tube Filter can only be customized in 900um.

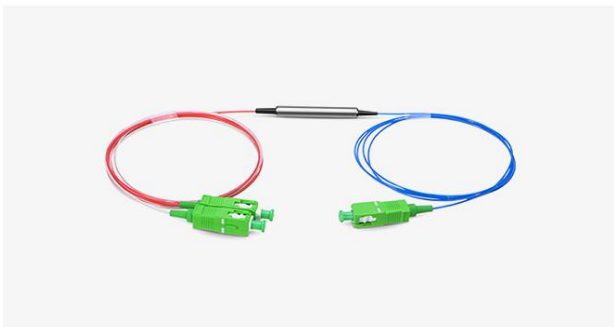
Component Structure

Filter Wavelength Division Multiplexer device consists of three ports: Common, Reflect and Pass port. It can multiplex or demultiplex two or more optical signals of different wavelengths in a single wide wavelength range channel, as well as increasing signal transmission speed and communication capacity.



Housing

For 900um cable diameter, steel tube and ABS package filters are available, but for 2.0mm or 3.0mm only the ABS package type filter can be customized.



Steel tube package type



ABS package type

Ordering Information

ID	Description
70090	Customized Filter Wavelength Division Multiplexer FTTH/FTTX C21/C22/C23/C24 DWDM Optical Filter
65811	Customized Filter Wavelength Division Multiplexer FTTH/FTTX 1310/1550/1490nm Fwdm Filter WDM



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