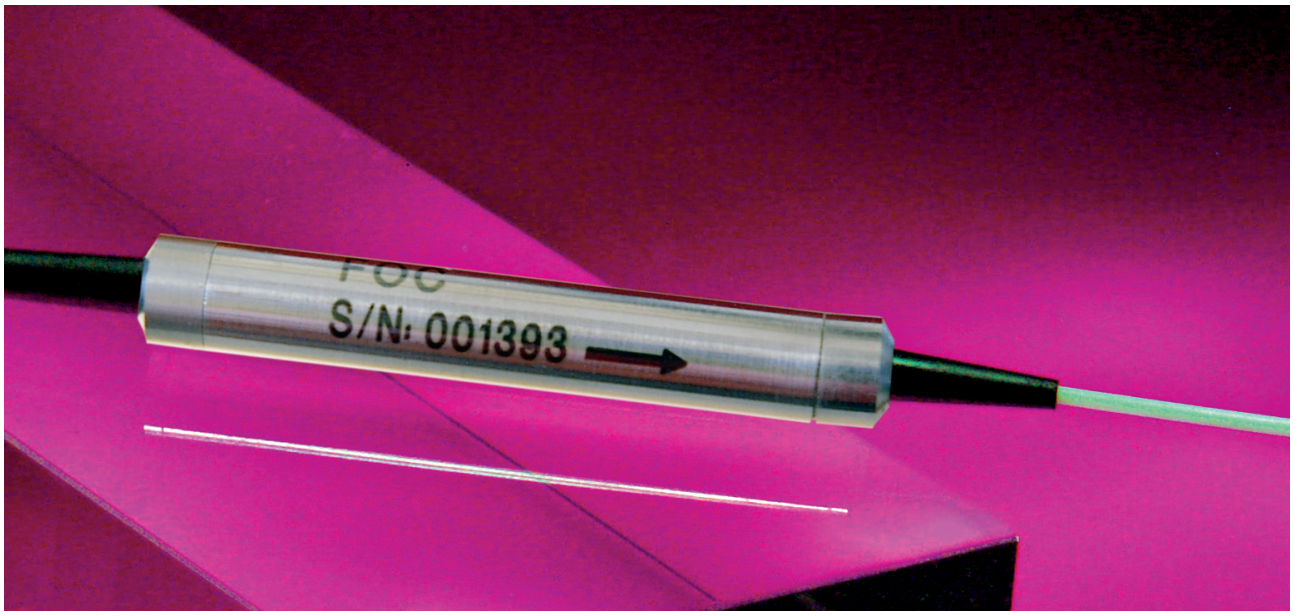
For a complete overview of components visit our website at **www.foc-fo.com**.

Components ▶ Filter ▶ HI FWDM ▶

HI FWDM 1310/1550



Wavelength Division Multiplexers or Demultiplexers (WDM) combine or separate optical signals with different wavelengths. They are passive optical components for uni- or bidirectional operation.
High Isolation Filter WWDM are multiplexer or demultiplexer which are used to combine or seperate signals with wavelength from neighbouring optical windows. They are used as band-pass filters and in high isolation WDM modules.

Features

- Low insertion loss and high isolation
- High return loss
- High power resistance
- High thermal, mechanical and environmental stability to meet the requirements of Telcordia GR-1209 and GR-1221
- Option of manufacture to customer specifications
- Multiplexing and Demultiplexing of CWDM channels and/or wavelength ranges around 1310 nm and 1550 nm.

Applications

- Uni- and bidirectional WDM transmission systems
- Public and private fibre-optic networks
- Add-Drop-Multiplexing
- Metropolitan networks
- CATV systems

Designs

- Supplied in various housing sizes with buffered tube pigtails or reinforced cable pigtails
- All connector standard types are available

For check lists and additional ordering information for our products visit our website or see separate data sheets.

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Optical parameter

Parameter		Value
Wavelength Range 1 [nm]		1280 - 1340
Wavelength Range 2 [nm]		1460 - 1620
Max. Insertion Loss (1) [dB]		1,0
Min. Isolation [dB]		45
Max. Ripple [dB]		0,5
Min. Return Loss [dB]		50
Polarisation Dependent Loss (PDL) [dB]		0,1
Temperature Range [°C]	Operation (2) Storage/Transportation	-20 to +70 -40 to +85
Temperature Dependent Loss (TDL) [dB/°C]		≤0,0025
Max. Input Power [mW]		500

(1) Lower values at room temperature are available on request
(2) Depending from pigtail type, specified temperature range for tide buffered pigtails