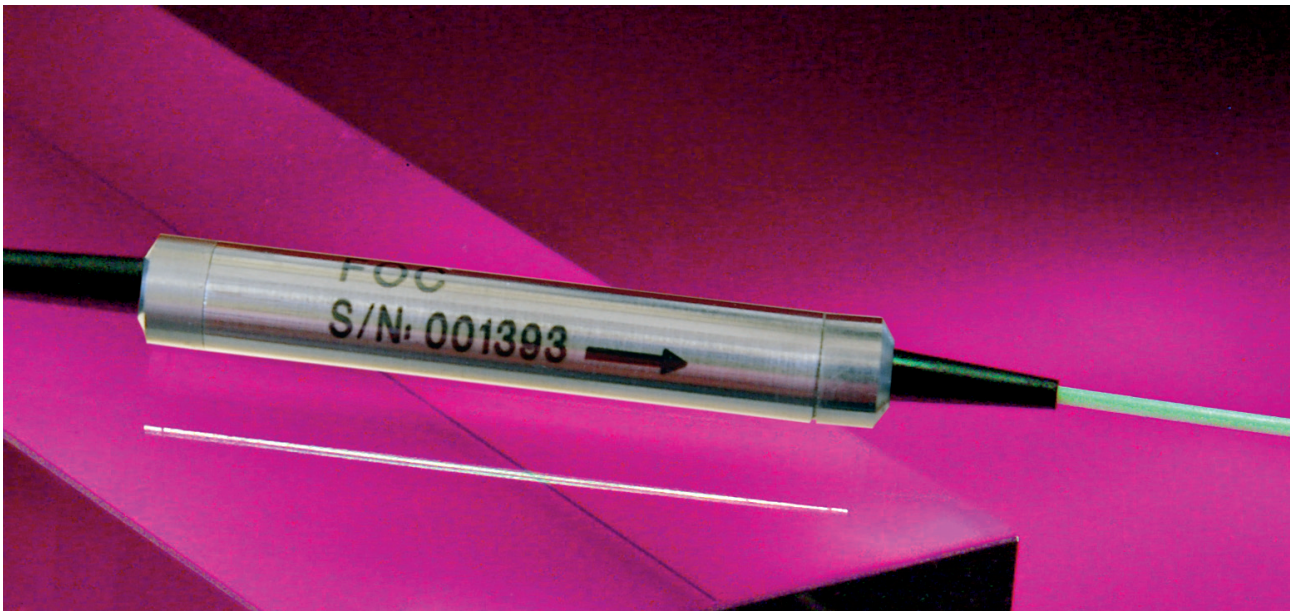
For a complete overview of components visit our website at **www.foc-fo.com**.

Components ▶ Filter ▶

Triple-Play-WDM



Wavelength Division Multiplexers or Demultiplexers (WDM) combine or separate optical signals with different wavelengths. They are passive optical components for uni- or bi-directional operation.
TriplePlay WDM are multiplexer or demultiplexer which are used to combine or seperate wavelengths which are standardized for the common transmission of data, voice and analogue CATV over one single fibre. The TriplePlay WDM are produced with an improved filter technology.

Features

- Low insertion loss and high channel isolation
- High return loss
- High thermal, mechanical and environmental stability to meet the requirements of Telcordia GR-1209 and GR-1221
- Compact design for easy system and customer modul integration

Applications

- Singlefibre PON systems
- 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 Pass Band [nm] (1)		1550-1560
Wavelength Reflected Band [nm] (2)		1260-1360 & 1480-1500 & 1585-1660
Max. Insertion Loss Pass Band [dB] (3)		0,8
Min. Isolation Pass Channel [dB]		30
Typ. Isolation Pass Channel [dB]		35
Max. Ripple Pass Channel [dB]		0,3
Max. Insertion Loss Reflected Band [dB] (3)		0,8
Min. Isolation Reflected Channel [dB]		20
Typ. Isolation Reflected Channel [dB]		25
Min. Return Loss [dB]		55
Min. Power Stability [mW]		500
Temperature Range [°C]	Operation (4) Storage	-25/+70 -40/+85
Temperature Dependent Loss [dB/°C]		≤0,01
Thermal Wavelength Drift [nm/°C]		≤0,005

(1) 1550 nm - 1560 nm for CATV Downstream
(2) 1260 nm - 1360 nm for Data/Voice Upstream, 1480 nm - 1500 nm for Data/Voice Downstream
(3) without connector loss
(4) depending from pigtail type, values for tight buffered fibre