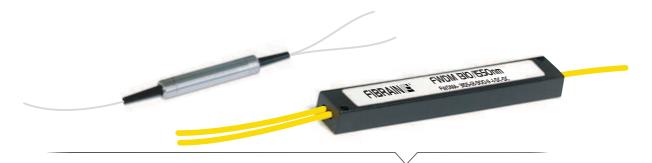
FWDM passive solutions - multiplexers



FWDM passive solutions - multiplexers

Fibrain FWDM (Filter Wavelength Division Multiplexer) series multiplexers utilize the TFF (Thin Film Filter) technology. The TFF technology allows obtaining low insertion loss and flat loss spectral profile, high interchannel isolation and very good temperature stability. Thanks to the flexibility, filters with different characteristics are available.

Transmission port 1260-1360 nm 1440-1490 nm 1550-1600 nm bandwidth (1520-1600 nm) (1530-1580 nm) Reflection port 1520 nm-1600 nm 1530-1580 nm 1260-1360 nm (1260-1360 nm) & 1460-1500 nm bandwidth (1440-1490 nm) <=0.6 Transmission port IL [dB] <=0.6 <=0.6 Reflection port IL [dB] <=0.5 <=0.5 <=0.5 >30 Transmission port isol. [dB] Reflection port isol. [dB] >15 >20 PDL [dB] 0.1 0.15 PMD [ps] 0.1 Directivity [dB] >=50 RL [dB] >= 50 Thermal stability 0.005 dB/°C Storage temperature -40°C to +85°C Operating temperature -20°C to +70°C SM 09/125 G.652D Fiber type Max. optical power [mW] 300 Fiber type 900 um 900 μm , 2.0 mm or 3.0 mm 250 um **Dimensions** Ø 34*5.5 mm Ø 38*5.5 mm 90x20x10 mm

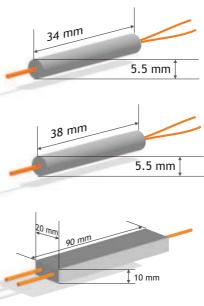
Other filter types (for example MM850/1300, 980/1550, 310/1480, 1510/1550, FTTH/OTDR and FTTH/CATV triplexers, other special CATV filters) also available. High isolation version (isolation > 45 dB for both channels) on request.

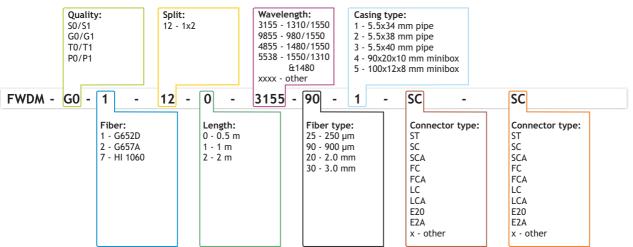
Applications:

- bidirectional WDM systems,
- telecommunication networks,
- CATV networks.

Features:

- high thermal stability of parameters,
- low insertion loss and polarization loss,
- high channel isolation.





FWDM-G0-1-12-0-3155-25-1-SC-SC

Example: Fibrain FWDM mulitplexer, 1310/1550 channels, 1x2 port configuration, 900 µm pigtails, pigtail length 1 m, Ø 34x5.5 mm pipe packaging, SC/SC connectors.

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Fiber Optical Cables Optical Elements - WD