

Modular Type PLC Splitter



Product Description

PLC Splitters is branching devices that is used to distribute optical signals to multiple locations for processing. In optical networks, it is often necessary to split an optical signal into many identical signals, or to combine many signals into a single signal. It provides a low cost power distribution solution with small form factor and high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON net. FM provides whole series of 1*N and 2*N splitter products that are tailored for specific applications.

Features

- 1xN or 2xN optional
- With or without connector optional
- Connector SC/UPC, SC/APC, LC/UPC, LC/APC optional
- Low PDL
- Compact Design
- High Return Loss
- Low Insertion loss
- Uniform Power Splitting
- Wide Operating Wavelength
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability

Application

- Optical Signal Distribution
- Data Communications
- Lan and CATV System
- FTTX Deployment
- FTTH Network
- Passive Optical Networks (PON)

Specification

Technical Test Data										
Split Ratio	1x2	1x4	1x8	1x16	1x32	2x2	2x4	2x8	2x16	2x32
Wavelength	1260~1650 (nm)									
Insertion Loss(dB)	≤4.6	≤7.5	≤11.0	≤14.0	≤17.0	≤4.5	≤8.0	≤11.7	≤14.7	≤17.9
Uniformity(dB)	≤0.6	≤0.6	≤0.8	≤1.2	≤1.5	≤0.8	≤1.0	≤1.0	≤1.5	≤2.0
PDL(dB)	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3
Return Loss (dB) (P/S)	≥55/50									
Directivity(dB)	≥55									
Operating temperature(°C)	-40~+85									
Fiber Type	ITU-T G657 SM Optical Fiber or Customer Specified									