



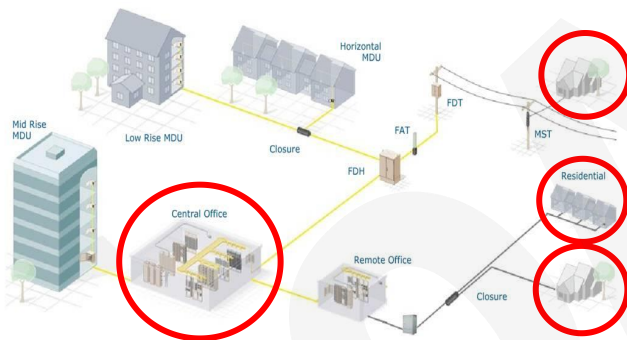
MODULE PLC SPLITTER SERIES

Description

Planar lightwave circuit PLC splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting. We provides whole series of 1xN and 2xN splitter products that are tailored for specific applications.



Application



Advantages

FTTH, FTTC, FTTB

Passive Optical Networks(PON)

CATV networks and data communications

Fiber optic equipment and systems

Features

Planar Lightwave Circuits(PLC) Optical Splitter are fully passive optical branching devices that exhibit very low insertion loss and PDL, great channel uniformity and a wide wavelength operative range. These splitters are manufactured and tested to Telcordia-1209-core & GR-1221-core to provide high performance, specifically designed to meet the tough requirement of FTTH, PON and CATV networks.

- High uniformity
- Low insertion loss
- Compact & small size
- High reliability and stability
- Optional input & output
- Single Mode Fiber Type G657A





Specification

Blockless PLC Specification										
Wavelength(nm)	1260-1650									
Parameters	1×4	1×8	1×16	1×32	1×64	2×4	2×8	2×16	2×32	2×64
Insertion Loss (with connector) (dB)	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤7.5	≤10.8	≤14.1	≤17.4	≤21
Uniformity (dB)	≤0.8	≤0.8	≤1.0	≤1.3	≤2.0	≤1.0	≤1.0	≤1.5	≤2.0	≤2.5
PDL(dB)	≤0.2	≤0.2	≤0.19	≤0.18	≤0.17	≤0.2	≤0.18	≤0.17	≤0.16	≤0.19
Size(H×W×L)(mm)	10×80×100		18×80×120		18×115×141	10×80×100		18×80×120		18×115×141
Return Loss(dB)	UPC≥50					APC≥55				
Directivity(dB)	≥55									
Temperature Range(°C)	-40 ~ +85									
Storage Temperature(°C)	-40 ~ +85									

Ordering Information

MD108-I222PY-O212PY							
MD	108	I/O	2	2	2	P	Y
BR - Bare Splitter	102-1x2	I - Input O - Output	0 - Without connector	1 - 900um 2 - 2.0mm 3 - 3.0mm 4 - 250um	1 - 1M 2 - 1.2M 3 - 1.5M 4 - 0.5M 5 - 0.8M 6 - 2.0M	T - Tight buff L - Loss buff N - None P - PVC L - LSZH	W - White M - Multicolour B - Black Y - Yellow
BL - Blockless Splitter	104-1x4		1 - SC/UPC				
CS - Cassette Splitter	108-1x8		2 - SC/APC				
MD - Module Splitter	116-1x16		3 - LC/UPC				
IS - Insert Type Splitter	132-1x32		4 - LC/APC				
RM - Rack Mount Splitter	164-1x64		5 - FC/UPC				
			6 - FC/APC				
		7 - ST/PC					