

Optical splitters are based on planar light wave circuit technology and high precision alignment. MXN splitters can split or combine light from one or two fibers into N outgoing fibers uniformly over a wide spectral range with ultra-low insertion loss and low polarization dependent loss.



## Features & Advantages

- ❖ Low Insertion Loss & Low PDL
- ❖ Superior Port to Port Uniformity
- ❖ Tested for FTTH optical high power levels
- ❖ Ultra broadband performance (1260 –1650nm)
- ❖ 100% tested for Insertion Loss and Return Loss
- ❖ Good uniformity and low polarization dependent loss (PDL)



## Applications

- ❖ CATV Networks
- ❖ Passive Optical Networks
- ❖ Telecommunications & FTTx Networks



## Specification

Splitter	1X2	1X4	1X8	1x16	1x32	1x64	1x128	2x2	2x4	2x8	2x16	2x32	2x64	2x128
Insertion Loss Maximum (dB)	4	7.1	10.5	13.8	17.1	20.5	25.5	4.2	7.4	11	14.6	17.8	21.5	26
Uniformity Maximum (dB)	0.3	0.5	0.8	1	1.5	2	2.6	1.1	1.2	1.6	2.2	2.4	2.8	3
PDL(dB)	<0.2	<0.2	<0.2	<0.2	<0.3	<0.5	<0.8	<0.2	<0.2	<0.2	<0.2	<0.3	<0.5	<0.8
Operating Wavelength (nm)	1310 & 1550 nm													
Return Loss (dB)	>55 for PC , >60 For APC													
Directivity (dB)	>55													
Fiber Type	Single Mode Fiber G.652D & G.657A compliant													
Operating Temperature (°C)	-40 to +85													