

Fiber Optic Splitter

Insert Type PLC Splitter Module

This optical PLC splitter module use planer lightwave circuit (PLC) technology for split ratio 2, 4, 8, 16 and 32. The Optical splitter module is designed by standard of YD/T2000-2009, YD/T1117-2001. Optical splitter module is ready by flame retardant material box or plate packaging. Mainly suitable for cable points fiber box and wall mounted terminal box. Application for FTTX network, LAN/WAN or CATV network.



Features

- Low Insertion loss
- Good channel-to-channel uniformity
- Wide Operating Temperature: From -40°C to 85°C
- Low PDL
- Compact Design
- Wide Operating Wavelength: From 1260nm to 1650nm
- High Reliability and Stability

Technical Specification 1×N Series

Parameters	1×4	1×8	1×16	1×32	1×64	1×64	
Operation Wavelength (nm)	1260 - 1650					1310 ± 40	1490 ± 10 1550 ± 40
Insertion Loss (dB)	≤ 7.4	≤ 10.7	≤ 13.9	≤ 17.2	≤ 21.5	≤ 20.1	
PDL	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.5	≤ 0.3	
Uniformity of I.L	≤ 0.8	≤ 1.0	≤ 1.4	≤ 1.6	≤ 2.0	≤ 1.6	
Return loss (dB)	≥ 55						
Directivity (dB)	≥ 55						
Working / Storage Temperature (°C)	-40 ~ + 85						

Technical Specification 2×N Series

Parameters	2×4	2×8	2×16	2×32	2×64	2×64	
Operation Wavelength (nm)	1260 - 1650					1310 ± 40	1490 ± 10 1550 ± 40
Insertion Loss (dB)	≤ 7.6	≤ 11.0	≤ 14.8	≤ 17.9	≤ 21.5	≤ 20.1	
PDL	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.5	
Uniformity of I.L	≤ 0.8	≤ 1.0	≤ 1.4	≤ 1.4	≤ 1.6	≤ 2.0	
Return Loss (dB)	≥ 55						
Directivity (dB)	≥ 55						
Working / Storage Temperature (°C)	-40 ~ + 85						

Operation Conditions

Temperature	-40°C -- 85°C
Humidity	93% at 40°C
Air Pressure	62kPa – 101kPa