

1×N & 2×N PLC Splitters

PLC Splitter is based on the Planar Waveguide Technology. It provides a low cost power distribution solution with small form factor and high reliability.

Features

- Low Insertion loss
- Low PDL
- High Return Loss
- Uniform Power Splitting
- Compact Design
- Wide Operating Wavelength
- Wide Operating Temperature
- Excellent Environmental & Mechanical Stability
- Qualified Under Telcordia GR-1221 and GR-1209

Applications

- FTTX (FTTB, FTTH, FTTC)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- CATV Systems
- Test Equipments



Specifications(1×N Splitters):

Parameter		Unit	Value					
Product Type			1×2	1×4	1×8	1×16	1×32	1×64
Size(L*W*H)		mm	100*80*10			120*80*18		140*115*18 Or 120*80*18
Operating Wavelength		nm	1260~1650					
Insertion Loss	Typ.	dB	4.1	7.4	10.5	13.8	17.1	20.5
	Max.		4.4	7.7	11.0	14.2	17.5	21.0
Uniformity (Max.)		dB	0.5	0.8	0.8	1.0	1.5	2.0
PDL(Max.)		dB	0.3					0.5
Directivity (Min.)		dB	55					
TDL(Max.)		dB	0.5					
Return Loss		dB	≥55(APC type connectors) / 50(UPC type connectors)					
Pigtail Diameter		mm	2.0/3.0					
Pigtail Length		M	Custom length					
Connector			FC/UPC,SC/UPC,LC/UPC, FC/APC,SC/APC,LC/APC or customized					

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.

Specifications(2×N Splitters):

Parameter		Unit	Value					
Product Type			2×2	2×4	2×8	2×16	2×32	2×64
Size(L*W*H)		mm	100*80*10			120*80*18		140*115*18 Or 120*80*18
Operating Wavelength		nm	1260~1650					
Insertion Loss	Typ.	dB	4.4	7.7	10.8	14.1	17.4	20.8
	Max.		4.7	8.0	11.3	14.4	17.8	21.3
Uniformity (Max.)		dB	0.5	0.8	0.8	1.0	1.5	2.0
PDL(Max.)		dB	0.3					0.5
Directivity (Min.)		dB	55					
TDL(Max.)		dB	0.5					
Return Loss		dB	≥55(APC type connectors) / 50(UPC type connectors)					
Pigtail Diameter		mm	0.9					
Pigtail Length		M	Custom length					
Connector			FC/UPC,SC/UPC,LC/UPC, FC/APC,SC/APC,LC/APC or customized					

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2 dB, APC Connectors: IL add 0.3 dB.

Environmental Conditions:

Operating Temperature	℃	-40~+85
Storage Temperature	℃	-40~+85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

Photos of Products:

