

PLC splitter specification



(PLC Rack Chassis type)

Ordering Information:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product type	Inlet and exit diameter	Inlet and fiber length	Rack Chassis size
1XN or 2XN 0102=1X2 0103=1X3 0104=1X4 0105=1X5 0106=1X6 0107=1X7 0108=1X8 0112=1X12 0116=1X16 0124=1X24 0132=1X32	2=0.9mm 3=2.0mm	0=0.6M S=Customized	1=1U 2=2U

Product description:

The planar waveguide optical splitter (PLC Splitter) is a quartz-based integrated waveguide optical power distribution device with small size, wide operating wavelength range, high reliability, good spectral uniformity, etc., especially suitable for passive optical networks. (EPON, GPON, etc.) connects the central office and terminal equipment and realizes the splitting of optical signals, providing 1XN and 2XN full range of products, and does not customize the optical splitter suitable for various occasions.

Product features:

Low loss and stable polarization.

Compact design.

Good channel uniformity.

High stability and reliability

Certified by Telcordia GR.1209 and GR.1221.

Product application areas:

Fiber to the home

Passive optical network

wired TV internet

PON-FTTX network

Technical parameters: 1XN optical splitter

Parameter	1X2	1X3	1X4	1X6	1X8	1X12	1X16	1X24	1X32
Working wavelength (nm)	1260-1650								
Fiber type	G657A1 or customized								
Insertion loss (dB)	4.2	6.4	7.5	9.4	10.8	12.8	13.8	15.8	17.1
Uniformity (dB)	≤0.4	≤0.5	≤0.5	≤0.6	≤0.8	≤1.0	≤1.0	≤1.5	≤1.5
Polarization dependent loss (dB)	≤0.25	≤0.25	≤0.25	≤0.25	≤0.25	≤0.3	≤0.3	≤0.3	≤0.3
Return loss (dB)	≥55								
Directionality (dB)	≥55								
Fiber length (m)	1.0 or customized								
Temperature stability (dB)	-40°C - 85°C (≤0.5)								
Working temperature ° C	-40°C - 85°C								
Storage temperature ° C	-40°C - 85°C								

Maximum power (nW)	1000
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Technical parameters: 2XN optical splitter

Parameter	2X2	2X4	2X8	2X16	2X32
Working wavelength (nm)	1260-1650				
Fiber type	G657A1 or customized				
Insertion loss (dB)	4.5	7.8	11.1	14.1	17.4
Uniformity (dB)	≤0.8	≤1.0	≤1.0	≤1.5	≤1.5
Polarization dependent loss (dB)	≤0.25	≤0.25	≤0.25	≤0.3	≤0.3
Return loss (dB)	≥55				
Directionality (dB)	≥55				
Fiber length (m)	1.0 or customized				
Temperature stability (dB)	-40°C - 85°C (≤0.5)				
Working temperature ° C	-40°C - 85°C				



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Storage temperature ° C	-40°C - 85°C
Maximum power (nW)	1000