

PLC fiber splitter

Advantage >>

PLC Splitter

Fiber Splitter

Cassette Type

FBT Splitter

Rack Type

ICT CO., LIMITED

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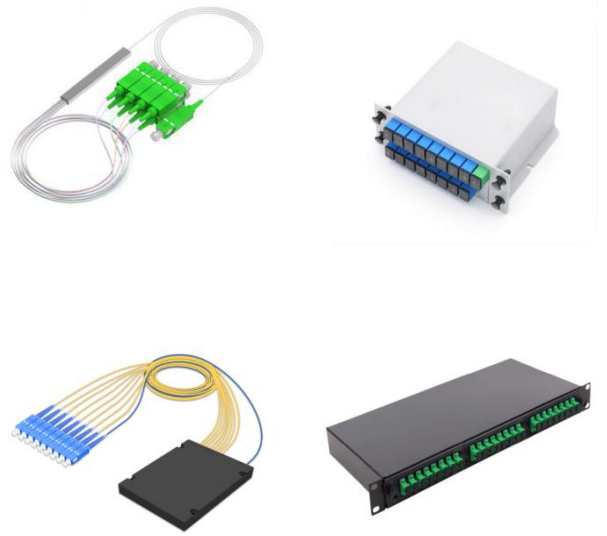
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Description:

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 Network to realize optical signal power splitting. ICT provides whole series of 1*N and 2*N splitter Products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements.



Advantage:

Low insertion loss and low PDL

High Reliability and Stability

Compact Design

Good channel-to-channel uniformity

Wide Operating wavelength: 1260nm to 1650nm

Wide Operating Temperature: -40°C to 85°C



Configuration parameter :

1×N PLC Splitter, without connector, each connector plus 0.2dB

PLC Splitter Specific								
Wave Length(nm)		1260~1650						
Fiber Type		G657A1/G657A2/G652D						
Split Ratio		1*2	1*4	1*8	1*16	1*32	1*64	1*128
Insertion Loss(dB)	Max.	3.8	7.1	10.2	13.5	16.5	20.5	23.8
Loss Uniformity(dB)	Max.	0.6	0.6	0.8	1.2	1.5	2	2.5
Polarization Loss(dB)	Max.	0.2	0.2	0.3	0.3	0.3	0.4	0.5
Return Loss(dB)	Mini.	55						
Directionality(dB)	Mini.	55						
Wave Loss(dB)	Max.	0.5	0.5	0.5	0.8	0.8	1	1.2
Temperature Stability(dB)	Max.	0.5	0.5	0.5	0.8	0.8	1	1.2
Steel Pipe Size(mm)(L*W*H)		60*7*4		60*12*4		80*20*6		100*40*6
								N/A

2×N PLC Splitter, without connector, each connector plus 0.2dB

PLC Splitter Specific							
Wave Length(nm)		1260~1650					
Fiber Type		G657A1/G657A2/G652D					
Split Ratio		2*2	2*4	2*8	2*16	2*32	2*64
Insertion Loss(dB)	Max.	4.4	7.6	10.8	14.1	17.4	20.7
Loss Uniformity(dB)	Max.	0.8	1	1.2	1.5	1.8	2
Polarization Loss(dB)	Max.	0.3	0.3	0.3	0.3	0.3	0.5
Return Loss(dB)	Mini.	55					
Directionality(dB)	Mini.	55					
Wave Loss(dB)	Max.	0.5	0.5	0.5	0.8	0.8	1
Temperature Stability(dB)	Max.	0.5	0.5	0.5	0.8	0.8	1

