

PLC Splitter Device / Module



Description

Browave's 1xN / 2xN PLC Splitters, which are based on planar lightwave circuit technology and precision aligning process, can divide a single/dual optical input(s) into multiple optical outputs uniformly, and offer superior optical performance, high stability and high reliability to meet various application requirements.

Application

- ▶ FTTX deployments
- ▶ PON network
- ▶ CATV links
- ▶ Optical signal distribution

Package configuration

- ▶ Config 1: Device with ribbon fiber (Basic type)
- ▶ Config 2: Device with fanout and 900um tube (Fanout type)
- ▶ Config 3: Device with 900um tube (SFF type)
- ▶ Config 4: Cassette type with 2mm cable
- ▶ Config 5: LGX module / wall mountable module

Options

- ▶ All kinds of device/modulization configuration available
- ▶ Connectorization process available (SC/LC/FC/MU/MTP...)
- ▶ Much premium spec available upon request

Specification

Parameter		Unit	1X2	1X4	1X6	1X8	1X12	1X16	1X32	1X64	1X128	2X2	2X4	2X8	2X16	2X32	2X64			
Premium Grade																				
Insertion Loss(at 23°C)	Typ.	dB	3.5	6.8	9.3	10.0	12.1	13.2	16.5	20.0	23.2	4.0	7.2	10.6	13.8	17.0	21.0			
	Max.	dB	3.7	7.0	9.6	10.4	12.6	13.5	17.0	20.5	23.8	4.2	7.5	11.0	14.3	17.5	21.5			
Channel Uniformity	Max.	dB	0.6	0.6	1.0	1.0	1.0	1.1	1.5	1.8	2.3	1.2	1.3	1.6	1.8	2.3	2.5			
Polarization Dependent Loss	Typ.	dB	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3			
	Max.	dB	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4			
Standard Grade																				
Insertion Loss(at 23°C)	Typ.	dB	3.6	7.0	9.5	10.4	12.4	13.6	17.0	20.5	23.8	4.2	7.5	11.0	14.3	17.4	21.5			
	Max.	dB	4.0	7.4	10.0	10.8	12.8	14.0	17.4	21.0	24.5	4.5	7.9	11.4	14.7	17.9	22.0			
Channel Uniformity	Max.	dB	0.6	0.8	1.0	1.0	1.0	1.3	1.5	1.8	2.5	1.2	1.5	1.6	2.0	2.5	3.0			
Polarization Dependent Loss	Typ.	dB	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3			
	Max.	dB	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.5			
Operating Wavelength	nm		1260~1650																	
Return Loss	Min.	dB	50																	
Directivity	Min.	dB	55																	
Operating / Storage Temperature	°C		-40~85																	
Fiber Type			Complied to G.657A1																	
Package Dimension (HXWXL)	Basic Type	mm	4x4x40				4x5x45		4x7x55		4X12X60		4X22X80		4x5x45		4X7X55 (4X7X60)		4X12X60	
	Fanout Type		4X7X60				4X12X60 (6X20X80)		6X20X80 (6x19X100)		6X40X100		NA		4X7X70		6X20X80 (6x19X100)		6X40X100	
	SFF Type	mm	4X7X60				4X12X60 (6X20X80)		6X20X80 (6x19X100)		6X40X100		NA		4X7X70		6X20X80 (6x19X100)		6X40X100	

