

Product overview

Giganet Fibre Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON, ODN, FTTX point to connect between termination device and central office to achieve the signal Splitter.



1x32 2.0mm pigtail

Figure 1.
 Giganet Splitter Module – ABS Cassette Type

Product Features and Applications

FEATURES

Simple and Easy Connection

Best Alternative for FTTx Solution

Wide Bandwidth

Compact Size

Product is compliant with ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.

Product Specifications

SPECIFICATIONS							
Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260~1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/21.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260~1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

ENVIRONMENTAL CONDITIONS		
Operating Temperature	°C	-40~+85
Storage Temperature	°C	-40~+85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

CABLE INFO.	
Fibre Type	G657A1/A2
Pigtail cable	900um/1.6mm/1.8mm/2.0mm
Connector	LC/SC
2xN Splitter	Only Single Chip

DIMENSIONS (mm)						
Splitter	1X2	1X4	1X8	1X16	1X32	1X64
Cassette Size	100x80x10	100x80x10	100x80x10	120x80x18	120x80x18	140x114x18
Splitter	2X2	2X4	2X8	2X16	2X32	2X64
Cassette Size	100x80x10	100x80x10	100x80x10	120x80x18	120x80x18	140x114x18

Ordering Information

Splitter Modules – ABS Cassette Type										
GN-FSAC-1234567-8										
GN-FSAC-	1	Configuration	2	Fibre Grade	3	Input Connector	4	Input Cable OD	5	Output Connector
	12	1x2	A1	G657A1-SM	LC	LC UPC	1	0.9mm	LC	LC UPC
	14	1x4	A2	G657A2-SM	SC	SC UPC	2	1.6mm	SC	SC UPC
	18	1x8			LA	LC APC	3	2.0mm	LA	LC APC
	116	1x16			SA	SC APC			SA	SC APC
	132	1x32								
	164	1x64								
	22	2x2								
	24	2x4								
	28	2x8								
	216	2x16								
	232	2x32								
	264	2x64								

6	Output Cable OD	7	Outer Jacket	-8	Length
1	0.9mm	LZ	LSZH	xxM	xx to be replaced with length e.g.: use 05M for 5 Meters length
2	1.6mm				
3	2.0mm				
	Part Number		Product Description		
e.g.	GN-FSAC-232A1LA3LA3LZ-05M		Giganet Splitter Modules- ABS Cassette Type, 2X32 Config., G657A1-SM, LC APC/LC APC, 2.0mm OD, LSZH, Yellow, 5 mtr.		
e.g.	GN-FSAC-232A1SA3SA3LZ-05M		Giganet Splitter Modules- ABS Cassette Type, 2X32 Config., G657A1-SM, SC APC/SC APC, 2.0mm OD, LSZH, Yellow, 5 mtr.		

**Default cable colour is Yellow for Single Mode*

**Other Fibre options available based on needs (MOQ applied)*