

PLC Splitter ABS BOX Module

PLC (planar Light-wave-circuit) splitters are passive components applied for optical power division on PON network. They consist of an input fiber and N output fibers, which divide the power of the optical signal proportionally, been characterized as a balanced splitters. Mainly used in optical networks FTTx / PON networks and HFC (Cable TV).



Features

- Low insertion loss & PDL
- Excellent Directivity
- High reliability
- Customized specifications can be requested

Applications

- FTTH/FTTB/FTTC/CATV Network Systems
- PON(Passive Optical Network)
- Optical Fiber Equipments

Standards Compliances For PLC Splitters

- GR-1209 Generic Requirements for Passive Optical Components.
- GR-1221 Generic Reliability Assurance Requirements for Passive Optical Components.
- GR-326 Generic Requirements for Single mode Optical Connectors and Jumper Assemblies.
- Q/CT 2295 Technical requirements for passive optical splitter of China Telecom.
- YD/T 2000.1-2014 Integrated optical path devices based on Planar light-wave circuits Part I : Optical power splitter based on PLC Technology.



Technical Data of PLC Splitters

Parameter	Unit	W/O Connector					
		1x2	1x4	1x8	1x16	1x32	1x64
Insertion Loss	Max dB	4.0	7.3	10.5	13.7	17.1	20.5
Channel Uniformity	Max dB	0.6	0.6	1.0	1.3	1.5	1.7
PDL	Max dB	0.2	0.2	0.2	0.2	0.3	0.4
Return Loss	Min dB	UPC : 50 APC:55 dB					
Directivity	Min dB	55					
Operating Wavelength	nm	1260~1650					
Operating Temperature	°C	-40~85					
Storage Temperature	°C	-40~85					
Fiber Type		ITU. G657A2 or other					
In and Out Fiber Dia.	µm	2mm					
Case Dimensions	mm	Case 1 / 100X45X10					
		Case 2 / 100X80X10					
		Case 3 / 120X80X18					

In/Out Construction	Case Type	Splitter Count	Channel	Input Length	Input Connector	Output Length	Output Connector
BMS20: 2mm LSZH Jacket	Case 1	1X: 1 Splitters	1002:1x2	0.75 (nominal)	00: No Connector	0.75 (nominal)	00: No Connector
	Case 2	2X: 2 Splitters	1004:1x4	Customized	SC: SC-UPC	Customized	SC: SC-UPC
	Case 3		1008:1x8		SA: SC-APC		SA: SC-APC
			1016:1x16		LC: LC-UPC		LC: LC-UPC
			1032:1x32		LA:LC-APC		LA:LC-APC
			1064:1x64		FC: FC-UPC		FC: FC-UPC
			2002:2x2		FA:FC-APC		FA:FC-APC
			2004:2x4		E2: E2000-UPC		E2: E2000-UPC
			2008:2x8		EA:E2000-APC		EA:E2000-APC
			2016:2x16				
			2032:2x32				
			2064:2x64				

Order Coding

Sample Order Coding: BMS20-CASE1-2X-1008-1.5M/XX-0.2M/SA

BMS20 Box Module, Case 1, 2mm LSZH Cable, 2 Pcs. of 1/8, Input Length 1.5 m without Connector, Output length 0.2 M with SC-APC Connector

Splitter Case Dimensions

Model	Dimensions (WxHxD)	Unit
CASE 1	100 x 45 x 10	mm
CASE 2	100 x 80 x 10	mm
CASE 3	120 x 80 x 18	mm

