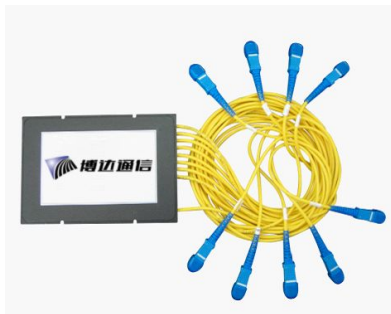


# BDCOM PLC Splitter

## Description

BDCOM PLC splitter is an integrated light-wave optical power distributor based on the quartz baseboard, featuring small size, wide working wavelength, high reliability, even optical splitting and so on. It is specially applied in passive optical networks (such as EPON, BPON, GPON and so on) to connect the access end and the terminal and realize the splitting of optical signals. Shanghai Baud Data Communication Co., Ltd provides 1xN and 2xN PLC splitter series and customizes optical splitters for special sites according to customers' requirements. All series of optical splitters comply with Telcordia GR-1209-CORE-2001, Telcordia GR-1221-CORE-1999 and YD/T 2000.1-2009.

BDCOM PLC splitters have two types: box and bracket. They can be used in HTHH, PON, CATV and other optical signal splitting systems.



Box-type



bracket-type

## Features

- Low insertion loss
- Low polarization loss
- Compact design
- Good uniformity of light splitting
- Working wavelength: 1260nm-1650nm
- Working temperature: -40°C -- 85°C.

## Technical Parameters

Type	1×2	2×2	1×4	2×4	1×8	2×8	1×16	2×16	1×32	2×32	1×64	2×64
Working wavelength	1260~1650											
Optical-fiber type	G657A or customer-specified type											
Insertion loss (dB) (P/S level)	3.8/ 4.0	4.0/ 4.2	7.1/ 7.3	7.6/ 7.8	10.2/ 10.5	11.0/ 11.2	13.5/ 13.7	14.4/ 14.6	16.5/ 16.9	17.5/ 17.9	20.5/ 21.0	21.0/ 21.5
Loss uniformity (dB)	0.4	0.6	0.6	1.0	0.8	1.2	1.2	1.5	1.5	2.0	2.0	2.2
Echo loss (dB) (P/S level)	55/50											
Polarization related loss (dB)	0.2	0.2	0.2	0.2	0.2	0.3	0.25	0.3	0.3	0.4	0.35	0.4
Direction loss (dB)	55											
Wavelength related loss (dB)	0.3	0.3	0.3	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Temperature stability (-40~85 °C) (dB)	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Working temperature (°C)	-40~85											
Storage temperature (°C)	-40~85											
Packaging size (mm) (L*W*H)	40×4×4		40×4×4		50×4×4			50×7×4		60×7×4	60×12×4	

Remarks:

1. The parameters exclude the loss of the optical-fiber connectors.
2. In the optical path, each connector increases a 0.15dB loss.

## Order Information

Model	Detailed Description
<b>Box splitter</b>	
OS-1x2SCPC	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 3 PC/PC heads)
OS-1x2SCPC (5: 95)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 5%:95%, 3 PC/PC heads)
OS-1x2SCPC (10: 90)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 10%:90%, 3 PC/PC heads)
OS-1x2SCPC (20: 80)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 20%:80%, 3 PC/PC heads)
OS-1x4SCPC	1*4 splitter (working wavelength: 1260-1650nm,, 1*4 splitter, 5 PC/PC heads)
OS-1x8SCPC	1*8 splitter (working wavelength: 1260-1650nm, 1*8 splitter, 9 PC/PC heads)
OS-1x16SCPC	1*16 splitter (working wavelength: 1260-1650nm, 1*16 splitter, 17 PC/PC heads)
OS-1x32SCPC	1*32 splitter (working wavelength: 1260-1650nm, 1*32 splitter, 33 PC/PC heads)
<b>Bracket splitter</b>	
OS-1x2SCPC-U	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 19-inch chassis, 3 SC/PC heads, 3 SC/PC flanges)
OS-1x2SCPC-U (5: 95)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 5%:95%, 19-inch chassis, 3 SC/PC heads, 3 SC/PC flanges)
OS-1x2SCPC-U (10: 90)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 10%:90%, 19-inch chassis, 3 SC/PC heads, 3 SC/PC flanges)
OS-1x2SCPC-U (20: 80)	1*2 splitter (including a 1310/1550 double window, 1*2 splitter, 20%:80%, 19-inch chassis, 3 SC/PC heads, 3 SC/PC flanges)
OS-1x4SCPC-U	1*4 splitter (working wavelength: 1260-1650nm, 1*4 splitter, 19-inch chassis, 5 SC/PC heads, 5 SC/PC flanges)
OS-1x8SCPC-U	1*8 splitter (working wavelength: 1260-1650nm, 1*8 splitter, 19-inch chassis, 9 SC/PC heads, 9 SC/PC flanges)
OS-1x16SCPC-U	1*16 splitter (working wavelength: 1260-1650nm, 1*16 splitter, 19-inch chassis, 17 SC/PC heads, 17 SC/PC flanges)
OS-1x32SCPC-U	1*32 splitter (working wavelength: 1260-1650nm, 1*32 splitter, 19-inch chassis, 33 SC/PC heads, 33 SC/PC flanges)