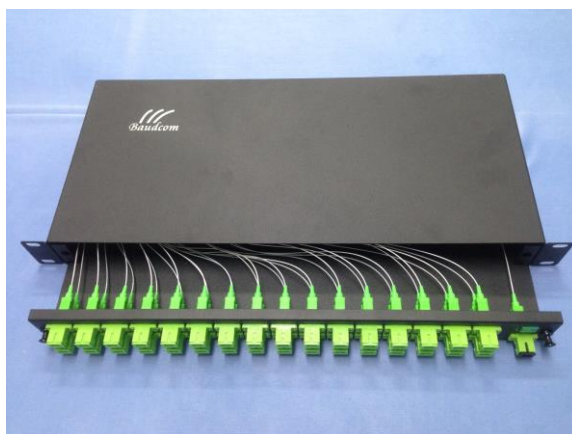


Rack Mount PLC Splitter

Features:

- ◆ Uniform power splitting
- ◆ Compact package dimension
- ◆ Low polarization dependent loss
- ◆ Good channel-to-channel uniformity
- ◆ Environmentally and mechanically stable
- ◆ Low Insertion Loss and high Return Loss
- ◆ Wide operating wavelength range from 1260nm to 1650nm



Standard:

- ◆ Telcordia GR-1209 and GR-1221

Application:

- ◆ Telecommunication networks
- ◆ FTTX, FTTH (Fiber to the Home)
- ◆ PON (Passive Optical Network)
- ◆ LAN & WAN
- ◆ CATV

Specifications:

Table 1: Performance for 1×N PLC Splitter

Note: All measurements are done at room temperature without connectors.

Port Configuration		1×2	1×4	1×8	1×16	1×32	1×64
Operating Wavelength (nm)		1260~1650					
Insertion Loss (dB)	Typ.	3.6	6.8	10.0	13.0	16.0	19.5
	Max.	4.0	7.3	10.5	13.7	16.9	21.0
Loss Uniformity (dB)	Typ.	0.4	0.5	0.5	1.0	1.0	1.5
	Max.	0.6	0.6	0.8	1.2	1.5	2.5

Return Loss (dB)		55	55	55	55	55	55
PDL (dB)	Typ.	0.1	0.1	0.1	0.1	0.2	0.2
	Max.	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)		55	55	55	55	55	55
Fiber Length (m)		1.0 or customized					
Fiber Type		Corning SMF-28e or customized					
Wavelength Dependent Loss (dB)	Typ.	0.2	0.2	0.2	0.3	0.3	0.3
	Max.	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-40~+85°C) (dB)	Typ.	0.3	0.3	0.3	0.4	0.4	0.4
	Max.	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)		-40~+85°C					
Storage Temperature (°C)		-40~+85°C					

Table 2: Performance for 1×N PLC Splitter

Note: All measurements are done at room temperature with connectors.

Port Configuration		1×2	1×4	1×8	1×16	1×32	1×64
Operating Wavelength (nm)		1260~1650					
Insertion Loss (dB)	Typ.	4.0	7.0	10.3	13.5	16.5	20.0
	Max.	4.5	7.7	11.0	14.2	17.5	21.5
Loss Uniformity (dB)	Typ.	0.4	0.5	0.5	1.0	1.0	1.5
	Max.	0.6	0.6	0.8	1.2	1.5	2.5
Return Loss (dB)		55	55	55	55	55	55
PDL (dB)	Typ.	0.1	0.1	0.1	0.1	0.2	0.2
	Max.	0.2	0.2	0.3	0.3	0.3	0.4
Directivity (dB)		55	55	55	55	55	55
Fiber Length (m)		1.0 or customized					
Fiber Type		Corning SMF-28e or customized					
Wavelength Dependent Loss (dB)	Typ.	0.2	0.2	0.2	0.3	0.3	0.3
	Max.	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability (-40~+85°C) (dB)	Typ.	0.3	0.3	0.3	0.4	0.4	0.4
	Max.	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)		-40~+85°C					
Storage Temperature (°C)		-40~+85°C					

Table 3: Performance for 2×N PLC Splitter

Note: All measurements are done at room temperature without connectors.

Port Configuration		2×2	2×4	2×8	2×16	2×32	2×64
Operating Wavelength (nm)		1260~1650					
Insertion Loss (dB)		4.0	7.6	11.0	14.5	17.5	21.0

Loss Uniformity (dB)	0.8	1.5	1.5	2.0	2.5	2.5
Return Loss (dB)	55	55	55	55	55	55
PDL (dB)	0.2	0.2	0.4	0.4	0.4	0.4
Directivity (dB)	55	55	55	55	55	55
Fiber Length (m)	1.0 or customized					
Fiber Type	Corning SMF-28e or customized					
Wavelength Dependent Loss (dB)	0.5	0.5	0.5	0.5	0.5	0.5
Temperature Stability (-40~+85°C) (dB)	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40~+85°C					
Storage Temperature (°C)	-40~+85°C					

Table 4: Performance for 2×N PLC Splitter

Note: All measurements are done at room temperature with connectors.

Port Configuration	2×2	2×4	2×8	2×16	2×32	2×64
Operating Wavelength (nm)	1260~1650					
Insertion Loss (dB)	4.5	8.1	11.6	15.0	18.0	21.5
Loss Uniformity (dB)	0.8	1.5	1.5	2.0	2.5	2.5
Return Loss (dB)	55	55	55	55	55	55
PDL (dB)	0.2	0.2	0.4	0.4	0.4	0.4
Directivity (dB)	55	55	55	55	55	55
Fiber Length (m)	1.0 or customized					
Fiber Type	Corning SMF-28e or customized					
Wavelength Dependent Loss (dB)	0.5	0.5	0.5	0.5	0.5	0.5
Temperature Stability (-40~+85°C) (dB)	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40~+85°C					
Storage Temperature (°C)	-40~+85°C					

Ordering Information:

Name	PLC=PLC Splitter
Port	12=1×2; 14=1×4; 18=1×8; 116=1×16; 132=1×32; 164=1×64; 1128=1×128; 22=2×2; 24=2×4; 28=2×8; 216=2×16; 232=2×32; 264=2×64; 2128=2×128

Number of PLC Splitter	None=1pc; 2=2pcs; 3=3pcs; 4=4pcs; etc
Package	R=Rack Mount
Dimension	1=1U; 2=2U; 3=3U; 4=4U; 5=5U
Access	F=Front Access; B=Back Access
Fiber Mode	2A=SM G.652.A; 2B=SM G.652.B; 2C=SM G.652.C; 2D=SM G.652.D; 5A=SM G.655.A; 5B=SM G.655.B; 5C=SM G.655.C; 7A1=SM G.657.A1; 7A2=SM G.657.A2; 7B2=SM G.657.B2; 7B3=SM G.657.B3
Connector & Adaptor	SU=SC/UPC; SA=SC/APC; FU=FC/UPC; FA=FC/APC; TU=ST/UPC; TA=ST/APC; LU=LC/UPC; LA=LC/APC; etc None=without connectors

For example:

Picture	Model	Description
	PLC-116-R-1-B-2D-S A	PLC Splitter, 1 piece of 1×16 PLC Splitter, 19 inch 1U rack mount , back access, single mode G.652.D, with 17 pieces of SC/APC connectors and adaptors, 1260~1650nm
	PLC-132-R-1-F-2D-F U	PLC Splitter, 1 piece of 1×32 PLC Splitter, 19 inch 1U rack mount , front access, single mode G.652.D, with 33 pieces of FC/UPC connectors and adaptors, 1260~1650nm