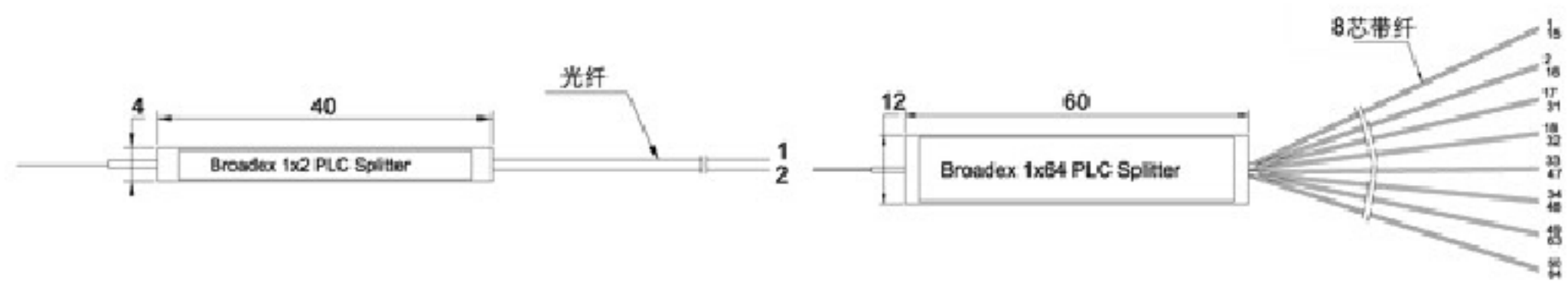
Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveg technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, an used in PON networks to realize optical signal power splitting. Broadex provides whole series of 1xN and 2xN splitter products tailored for specific applications. All products meet Telcordia 1209 and 1221 requirements and are certified by TLC for network



>> Specifications

Models		1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32
Operating Wavelength(nm)		1260~1650								
Insertion Loss(dB)	Typical	3.6	6.0	6.8	9.0	10.0	12.0	13.0	15.5	16.0
	Max(P/S)	3.8/4.0	6.2	7.1/7.3	9.6	10.2/10.5	12.5	13.5/13.7	16.0/16.5	16.5/16.9
Loss Uniformity(dB)	Typical	0.4	0.4	0.5	0.6	0.5	0.8	1.0	1.0	1.0
	Max	0.6	0.6	0.6	0.8	0.8	1.0	1.2	1.5	1.5
Return Loss(dB) (P/S)		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL(dB)	Typical	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	Max	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Directivity(dB)		55	55	55	55	55	55	55	55	55
Fiber length(m)		1.2 (± 0.1) or customer specified								
Fiber type		Corning SMF-28e or customer specified								
Wavelength Dependent Loss(dB)	Typical	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability(-40 -8 5 ℃) (dB)	Typical	0.3	0.3	0.3	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	0.5	0.5	0.5
Operating		-40~85								

Storage Temperature (℃)	-40~85

Note: Spec of 1xnPLC splitters (All measurements were done at room temperature, and specifications exclude connectors.)

Models		1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32
Operating Wavelength (nm)		1260~1650								
Insertion Loss(dB	Typical	4.0	6.4	7.0	9.5	10.3	12.5	13.5	16.0	16.5
	Max(P/S)	4.3/4.5	6.7	7.5/7.7	10.1	10.7/11.0	13.0	14.0/14.2	16.5/17.0	17.0/17.5
Loss Uniformity(dB)	Typical	0.4	0.4	0.5	0.6	0.5	0.8	1.0	1.0	1.0
	Max	0.6	0.6	0.6	0.8	0.8	1.0	1.2	1.5	1.5
Return Loss(dB) (P/S)		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL(dB)	Typical	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	Max	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Directivity(dB)		55	55	55	55	55	55	55	55	55
Fiber length(m)		1.2 (± 0.1) or customer specified								
Fiber type		Corning SMF-28e or customer specified								
Wavelength Dependent Loss(dB)	Typical	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability(-40 -85 ℃) (dB)	Typical	0.3	0.3	0.3	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	0.5	0.5	0.5
OperatingTemperature(℃)		-40~85								
Storage Temperature(℃)		-40~85								

Note: Spec of 1xnPLC splitters (All measurements were done at room temperature, and specifications include connectors.)

>> Dimensions: (Units :mm)

Dimensions	1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32	1x64
Length	40	40	40	40	40	40	40	50	50	60
width	4	4	4	4	4	4	4	7	7	12
Height	4	4	4	4	4	4	4	4	4	4

>> **Ordering Information**

BPS	XXX	X	XX	X	XX	X	
B=Broadex P=Plc S=Splitter	Input and output count 104=1x4 108=1x8 … … … 164=1x64 204=2x4 … … …	Input fiber type B=250um bare fiber L=900umLoose tube T=900umTight buffer	Input fiber length 12=1.2m 15=1.5m XX=customized	output fiber type B=250umbare fiber L=900umLoose tube T=900umTight buffer	Input fiber length 12= 1.2m 15=1.5m 150=15m	Input connector type 0=None 1=FC/UPC 2=FC/APC 3=SC/UPC 4=SC/APC 5=LC/UPC	Output type 0=Non 1=FC/ 2=FC/ 3=SC/ 4=SC/ 5=LC/

	264=2x64					6=LC/APC X=Customized	6=LC/ X=Cus

Planar lightwave circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveg technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, an used in PON networks to realize optical signal power splitting. Broadex provides whole series of 1xN and 2xN splitter products tailored for specific applications. All products meet Telcordia 1209 and 1221 requirements and are certified by TLC for network

Specifications

Models		1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32
Operating Wavelength(nm)		1260~1650								
Insertion Loss(dB)	Typical	3.6	6.0	6.8	9.0	10.0	12.0	13.0	15.5	16.0
	Max(P/S)	3.8/4.0	6.2	7.1/7.3	9.6	10.2/10.5	12.5	13.5/13.7	16.0/16.5	16.5/16.9
Loss Uniformity(dB)	Typical	0.4	0.4	0.5	0.6	0.5	0.8	1.0	1.0	1.0
	Max	0.6	0.6	0.6	0.8	0.8	1.0	1.2	1.5	1.5
Return Loss(dB) (P/S)		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL(dB)	Typical	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	Max	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Directivity(dB)		55	55	55	55	55	55	55	55	55
Fiber length(m)		1.2 (± 0.1) or customer specified								
Fiber type		Corning SMF-28e or customer specified								
Wavelength Dependent Loss(dB)	Typical	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability(-40 -8 5 ℃) (dB)	Typical	0.3	0.3	0.3	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	0.5	0.5	0.5
Operating		-40~85								

Temperature(℃)	
Storage Temperature (℃)	-40~85

Note: Spec of 1xnPLC splitters (All measurements were done at room temperature, and specifications exclude connectors.)

Models		1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32
Operating Wavelength (nm)		1260~1650								
Insertion Loss(dB	Typical	4.0	6.4	7.0	9.5	10.3	12.5	13.5	16.0	16.5
	Max(P/S)	4.3/4.5	6.7	7.5/7.7	10.1	10.7/11.0	13.0	14.0/14.2	16.5/17.0	17.0/17
Loss Uniformity(dB)	Typical	0.4	0.4	0.5	0.6	0.5	0.8	1.0	1.0	1.0
	Max	0.6	0.6	0.6	0.8	0.8	1.0	1.2	1.5	1.5
Return Loss(dB) (P/S)		55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50	55/50
PDL(dB)	Typical	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
	Max	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Directivity(dB)		55	55	55	55	55	55	55	55	55
Fiber length(m)		1.2 (± 0.1) or customer specified								
Fiber type		Corning SMF-28e or customer specified								
Wavelength Dependent Loss(dB)	Typical	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
Temperature Stability(-40 -85 ℃) (dB)	Typical	0.3	0.3	0.3	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	0.5	0.5	0.5
OperatingTemperature(℃)		-40~85								
Storage Temperature(℃)		-40~85								

Note: Spec of 1xnPLC splitters (All measurements were done at room temperature, and specifications include connectors.)

Dimensions: (Units :mm)

Dimensions	1x2	1x3	1x4	1x6	1x8	1x12	1x16	1x24	1x32	1x64
Length	40	40	40	40	40	40	40	50	50	60
width	4	4	4	4	4	4	4	7	7	12
Height	4	4	4	4	4	4	4	4	4	4

Ordering Information

BPSB	XXX	XX	X	
B= Broadex	Input and output count	Box type	Input connector type	Output connec
P=Plc	104=1x4	01=1Ubox	0=None	0=None
S=Splitter	108=1x8	02= R type	1=FC/UPC	1=FC/UPC
B=Box	……	03= LGXtyoe	2=FC/APC	2=FC/APC
	164=1x64	04=ODF splice	3=SC/UPC	3=SC/UPC
	204=2x4	tray	4=SC/APC	4=SC/APC
	……	XX=customized	5=LC/UPC	5=LC/UPC
	264=2x64		6=LC/APC	6=LC/APC

			X=Customized	X=Customize