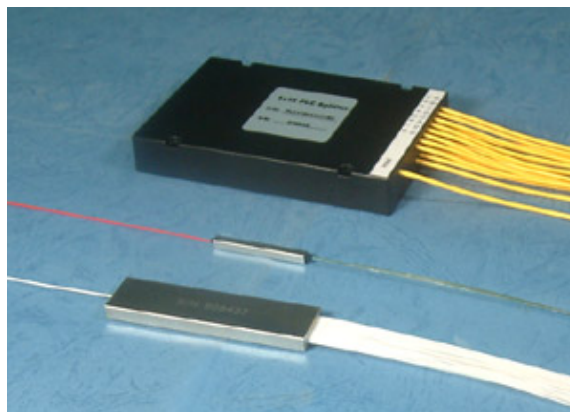# *PLC* SPLITTERS

PLC SPLITTERS

Description

PLC splitters are based on the Planar Waveguide Technology. They provide a cost effective and space saving networking solution. They are key components in FTTX networks and are responsible to distribute the signal from central office to numbers of premises. They have very wide range of operating wavelength from 1260nm to 1620nm. With it's compact size, these splitters can be utilized in in-ground and aerial pedestals as well as rack mount systems.

Our PLC splitters feature low insertion loss, low polarization dependent loss, and high port uniformity. The PLC splitters are available in a variety of configurations, pre-terminated and pre-package in ruggedized cassettes, compact square tubes or flat tubes.

Features

- Low loss
- Low polarization dependence
- Environmentally stable
- Excellent uniformity
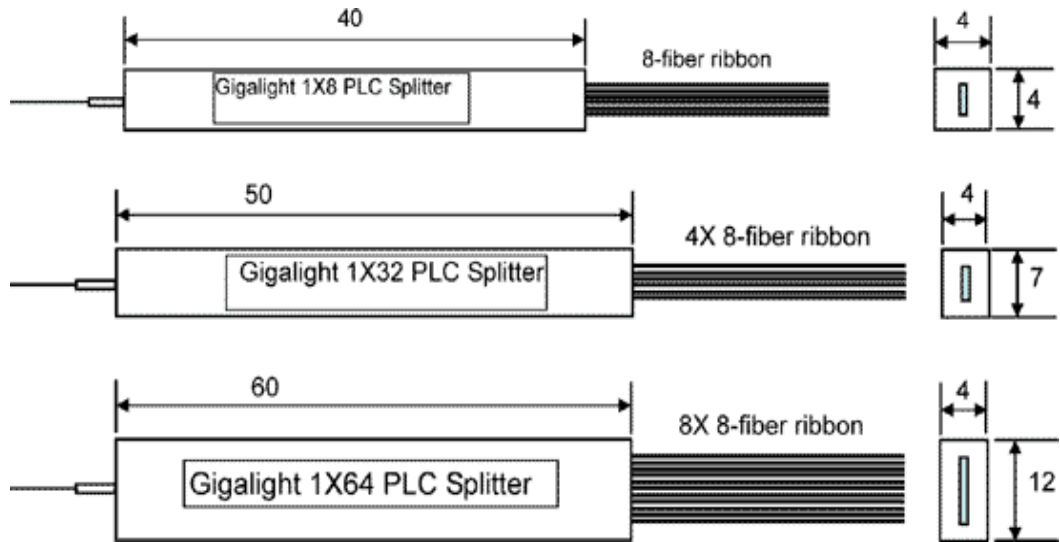- Telcordia GR-1221 and GR-1209

Applications

- FTTX
- Passive optical networks
- CATV
- LAN, WAN & Metro networks
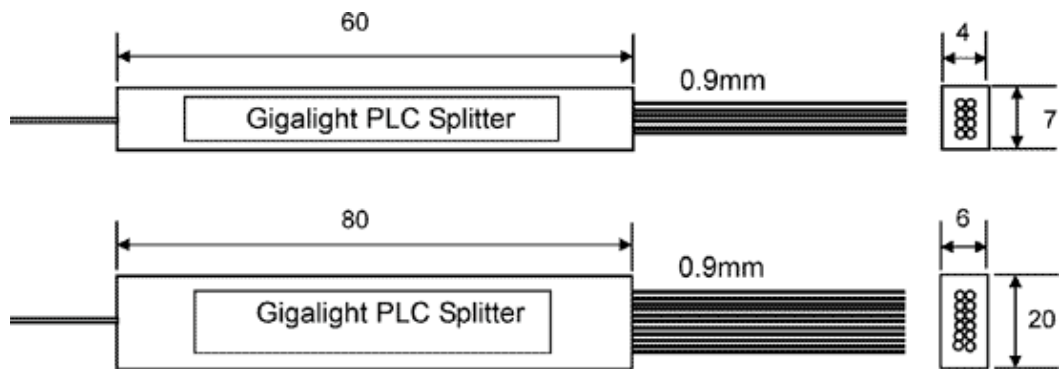- Test instrument

Specifications

Characteristics	Unit	Value/Performance										
Operating Wavelength	nm	1260 - 1650, others on request										
Port Configuration	-	1x2	1x4	1x8	2x4	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Insertion Loss	dB	≤4.0	≤7.3	≤10.5	≤7.6	≤11.0	≤13.7	≤14.4	≤16.9	≤17.5	≤21.0	≤21.0
Uniformity	dB	≤0.4	≤0.6	≤0.8	≤1.0	≤1.2	≤1.2	≤1.5	≤1.5	≤1.8	≤2.0	≤2.2
PDL	dB	≤0.2	≤0.2	≤0.2	≤0.2	≤0.3	≤0.25	≤0.3	≤0.3	≤0.4	≤0.35	≤0.4
Directivity	dB	≥55										
Operating Temperature	°C	-20 ~ +70										
Storage Temperature	°C	-40 ~ +85										
Max. Power	mW	300										
Lead Length	m	1, others on request										
Package Type	-	Box, square tube with bare ribbon, flat tube with 900um fibers										
Dimension	Cassette	mm	100x80x10				120x80x18		140x115x18			
	Sq. Tube	mm	40x4x4		50x4x4		50x7x4		60x7x4	60x12x4	N.A.	
	Flat Tube	mm	50x7x4		60x7x4		60x12x4		80x20x6		N.A.	

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PLC SPLITTERS

Dimensional Drawing

Square Tube Package with ribbon fiber outputS

40 — Gigalight 1X8 PLC Splitter — 8-fiber ribbon — 4, 4

50 — Gigalight 1X32 PLC Splitter — 4X 8-fiber ribbon — 4, 7

60 — Gigalight 1X64 PLC Splitter — 8X 8-fiber ribbon — 4, 12

Flat Tube Package with 900um fiber outputs

60 — Gigalight PLC Splitter — 0.9mm — 4, 7

80 — Gigalight PLC Splitter — 0.9mm — 6, 20

Cassette Package with 2mm fiber outputs

10, 80, 74, 70, 100 — 100X80X10

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PLC SPLITTERS
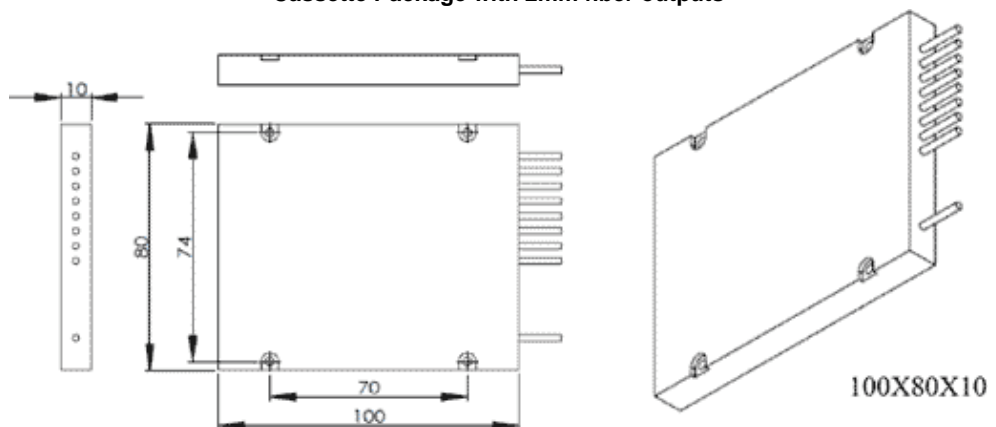
Dimensional Drawing

Cassette Package with 2mm fiber outputs

120X80X18

140X115X18
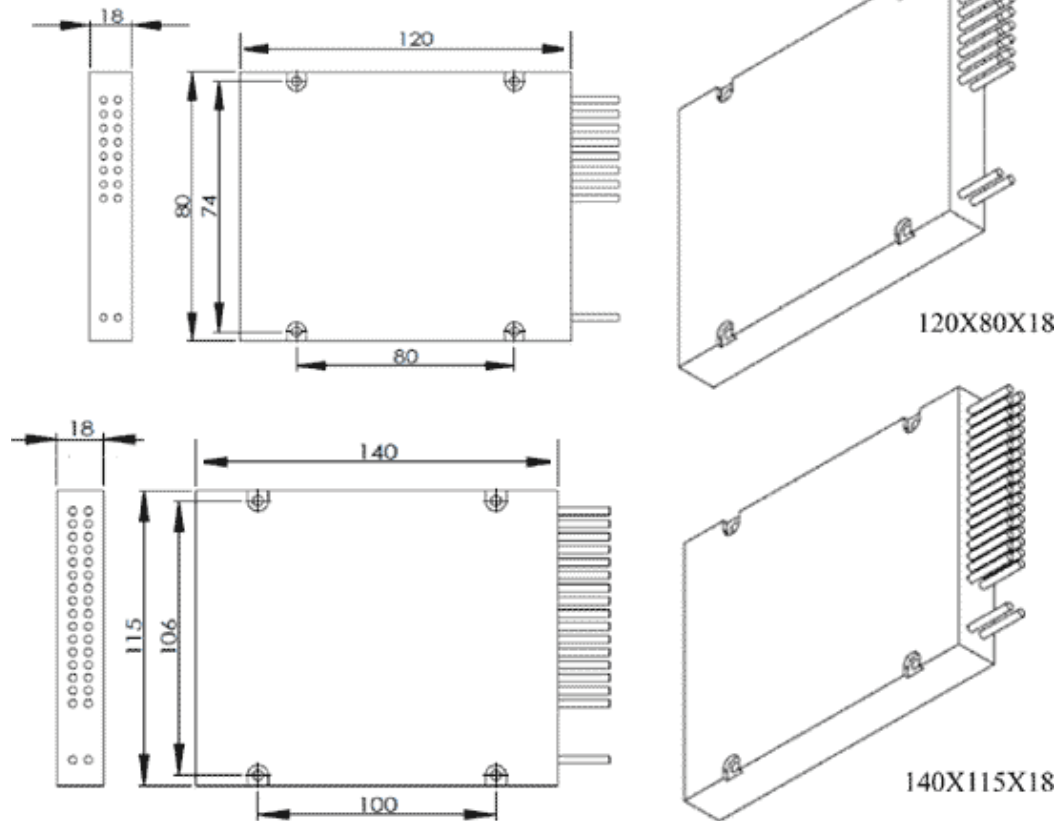
Ordering Information

Part Number: **PLC-208 ST 1 1 LU- 4 2 LU 1 3**
                     1 2 3 4 5 6 7 8 9 10

1	Configuration	102=1x2, 104=1x4, 108=1x8, 208=2x8, 116=1x16, 232=2x32, etc.
2	Package	BX=Box, ST=Square Tube, FT=Flat Tube
3	Input Fiber Type	1=250um, 2=900um, 3=2.0mm
4	Input Fiber Length	Length in meter, i.e. 1=1m, 1.5=1.5m
5	Input Connector	Blank=no connector, LU=LC/UPC, SU=SC/UPC, SA=SC/APC, etc.
6	Output Fiber Type	1=250um, 2=900um, 3=2.0mm, 4=Bare Ribbon
7	Output Fiber Total Length	Length in meter, i.e. 1=1m, 1.5=1.5m
8	Output Connector	Blank=no connector, LU=LC/UPC, SU=SC/UPC, SA=SC/APC, etc.
9	Fan-out Length in meter	For bare ribbon output only, and blank for all other outputs
10	Fan-out Fiber Jacket Type	2=900um, 3=2.0mm. For bare ribbon output only, and blank for all other outputs

Products manufactured in
ISO 9001 certified facilities

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