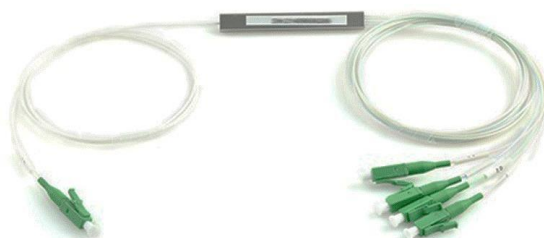


Planar Light Wave Circuit (PLC) - Block less



Planar Light Wave Circuit (PLC) Splitters is a type of optical power management device that is fabricated using silica optical waveguide technology. It is small size, high reliability, wide operating wavelength range and good channel uniformity.

Features

- Light weight and Simple structure.
- Compact design for space saving.
- Easy for management and operation. Low Insertion loss and Low PDL.
- Uniform power splitting.
- High reliability.
- Excellent environmental stability
- 900µm Fiber
- Covered under 3C3® Performance Warranty

Technical Specifications

1x N PLC Splitter (Measured at room Temperature and excludes Connector loss)

Type		1:2	1:4	1:8	1:16	1:32	1:64
Fiber Type		SM 9/125, G657.A1					
Operating Wavelength		1260 ~ 1650nm					
Insertion Loss (dB)	Max	3.8	7.1	10.2	13.5	16.5	20.5
Loss uniformity(dB)	Max	0.6	0.6	0.8	1.2	1.5	2.0
Polarization Dependent Loss (dB)	Max	0.15	0.15	0.2	0.2	0.2	0.3
Directivity(dB)	Min	55dB					
Return Loss	Min	UPC 50dB, APC 60dB					
Operating Temperature		-40°C ~ + 85°C					
Storage Temperature		-40°C ~ + 85°C					

Planar Light Wave Circuit (PLC) - Block less

2x N PLC Splitter (Measured at room Temperature and excludes Connector loss)

Type		2:2	2:4	2:8	2:16	2:32	2:64
Fiber Type		SM 9/125, G657.A1					
Operating Wavelength		1260 ~ 1650nm					
Insertion Loss (dB)	Max	4.1	7.4	10.8	14.3	17.3	20.7
Loss uniformity(dB)	Max	0.8	0.8	1.5	2.0	2.5	2.5
Polarization Dependent Loss (dB)	Max	0.2	0.2	0.3	0.4	0.4	0.4
Directivity(dB)	Min	55dB					
Return Loss	Min	UPC 50dB, APC 60dB					
Operating Temperature		-40°C ~ + 85°C					
Storage Temperature		-40°C ~ + 85°C					

1x N PLC Splitter (Measured at room Temperature and including Connector loss)

Type		1:2	1:4	1:8	1:16	1:32	1:64
Fiber Type		SM 9/125, G657.A1					
Operating Wavelength		1260 ~ 1650nm					
Insertion Loss (dB)	Max	4.1	7.4	10.5	13.8	16.8	20.8
Loss uniformity(dB)	Max	0.6	0.6	0.8	1.2	1.5	2.0
Polarization Dependent Loss (dB)	Max	0.15	0.15	0.2	0.2	0.2	0.3
Directivity(dB)	Min	55dB					
Return Loss	Min	UPC 50dB, APC 60dB					
Operating Temperature		-40°C ~ +85°C					
Storage Temperature		-40°C ~ +85°C					

Planar Light Wave Circuit (PLC) - Block less

2x N PLC Splitter (Measured at room Temperature and including Connector loss)

Type		2:2	2:4	2:8	2:16	2:32	2:64
Fiber Type		SM 9/125, G657.A1					
Operating Wavelength		1260 ~ 1650nm					
Insertion Loss (dB)	Max	4.4	7.7	11.1	14.6	17.6	21.0
Loss uniformity(dB)	Max	0.8	0.8	1.5	2.0	2.5	2.5
Polarization Dependent Loss (dB)	Max	0.2	0.2	0.3	0.4	0.4	0.4
Directivity(dB)	Min	55dB					
Return Loss	Min	UPC 50dB, APC 60dB					
Operating Temperature		-40°C ~ +85°C					
Storage Temperature		-40°C ~ +85°C					

Ordering Information

Product Code
81CDE

Description

PLC Splitter Block less, 1Meter
 C = 8 - SC/UPC, 9 - SC/APC
 D = 0 - One Input, 1 - Two Input
 E = 0 - Two Output, 1 - Four Output, 2 - Eight Output, 3 - Sixteen Output, 4 - Thirty-Two Output, 5 - Sixty-Four Output