Technical Information

DWDM DeMux Module

sample picture of another configuration

Features

- Low insertion loss
- High channel isolation
- High stability and reliability

Application

- CWDM system
- Metro/Access Networks
- CATV Fiberoptic System

Specifications

Parameter	4 Channel	8 Channel	16 Channel
Channel Center Wavelength (nm)	200G ITU Grid Channel		
Operating Wavelength Range (nm)	1500 ~ 1640		
Channel space (nm)	1.6 (200G)		
Channel bandwidth (nm)	≥ 0.5		
Insertion Loss (dB)	≤ 1.8	≤ 3.2	≤ 4.2
Channel uniformity (dB)	≤ 0.6	≤ 1.0	≤ 1.5
PDL (dB)	≤ 0.10	≤ 0.20	≤ 0.25
Channel Ripple (dB)	≤ 0.5		

Isolation (dB)	Adjacent channel	≥ 30
	Non-adjacent channel	≥ 40
Directivity (dB)		≥ 50
Return loss (dB)		≥ 45
Wavelength thermal stability (nm/℃)		≤ 0.002
Insertion loss thermal stability (dB/℃)		≤ 0.003
Power handling (mW)		≤ 500
Fiber Type		SMF-28e
Operating temperature (℃)		0 ~ +70
Storage temperature (℃)		-40 ~ +85

Technical Information

FOC PLC Splitter

Features

- Low Insertion Loss
- Low PDL
- Compact design
- Good channel-to-channel uniformity
- Wide operating wavelength range: From 1260nm to 1660nm

Applications

- FTTX systems
- PON networks
- CATV links
- Optical signal distribution

Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS

Specifications

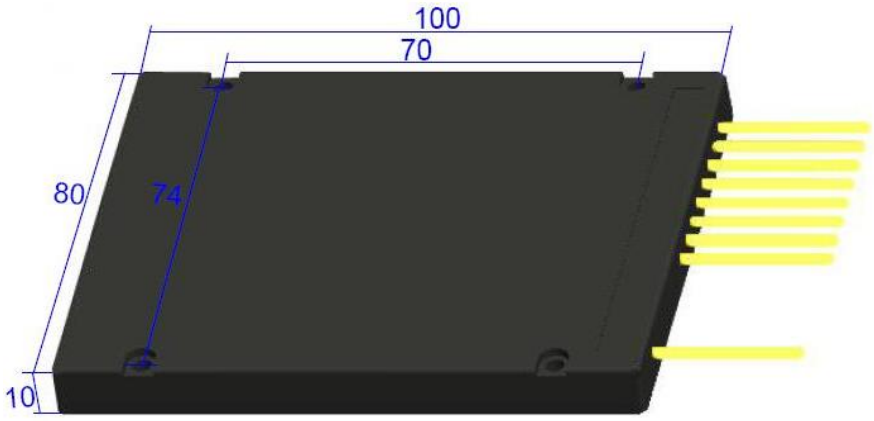
1×N PLC Splitter							
Parameters	**1×2**	**1×4**	**1×8**	**1×16**	**1×32**	**1×64**	**1×128**
Operating Wavelength (nm)	1260～1660						
Fiber Type	G.657.A1 or customer specified						
Max. Insertion Loss (dB)	4.0	7.2	10.5	13.7	17.0	20.6	24
Uniformity (dB)	0.4	0.6	0.8	1.2	1.5	2	2.5
Min. Return Loss (dB)	55	55	55	55	55	55	55
Max. Polarization Dependent Loss (dB)	0.2	0.2	0.2	0.3	0.3	0.35	0.35
Min. Directivity (dB)	55	55	55	55	55	55	55
Temperature Stability (-40～85 ℃) (dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (℃)	-40～85						
Storage Temperature (℃)	-40～85						
Device Dimension (mm) (L×W×H)	40×4×4	40×4×4	40×4×4	50×4×4/ 45x5x4	50×7×4	60×12×4	NA
Module Dimension (mm) (L×W×H)	100×80×10	100×80×10	100×80×10	120×80×18	140×115×18/ 120x80x18	140×115×18	140×115×18
Mini-Module Dimension (mm) (L×W×H)	50×7×4	50×7×4	50×7×4	60×12×4	80×20×6	100X40X6	NA
LGX Box Dimension (mm) ((L×W×H)	NA	130×100×25	130x100x25	130x100x50	130x100x102	130x100x206	NA

Notes:
1. Specified without connectors.
2. Add an additional 0.30dB loss per connector.

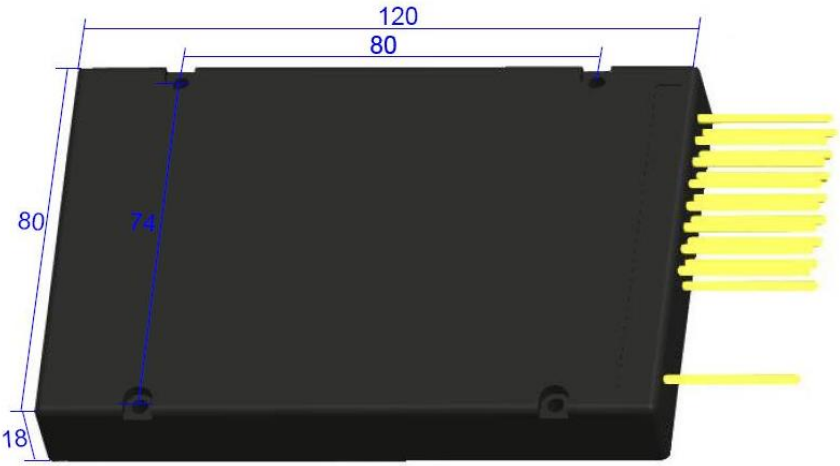
2×N PLC Splitter							
Parameters	**2×2**	**2×4**	**2×8**	**2×16**	**2×32**	**2×64**	**2×128**
Operating Wavelength (nm)	1260～1660						
Fiber Type	G.657.A1 or customer specified						
Max. Insertion Loss (dB)	4.2	7.4	10.8	14.0	17.5	21	24.5
Uniformity (dB)	1.0	1.5	1.5	2.0	2.0	2.5	2.5
Min. Return Loss (dB)	55	55	55	55	55	55	55
Max. Polarization Dependent Loss (dB)	0.3	0.3	0.3	0.3	0.3	0.5	NA
Min. Directivity (dB)	55	55	55	55	55	55	55
Temperature Stability (-40～85 ℃)(dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (℃)	-40～85						
Storage Temperature (℃)	-40～85						
Device Dimension (mm) (L×W×H)	40×4×4	50×4×4	50×4×4	50×4×4	60×7×4	60×12×4	NA
Module Dimension (mm) (L×W×H)	100×80×10	100×80×10	100×80×10	120×80×18	140×115×18/ 120x80x18	140×115×18	140×115×18
Mini-Module Dimension (mm) (L×W×H)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100×40×6	NA
LGX Box Dimension (mm) ((L×W×H)	NA	130×100×25	130x100x25	130x100x50	130x100x102	130x100x206	NA

Notes:
1. Specified without connectors.
2. Add an additional 0.30dB loss per connector.

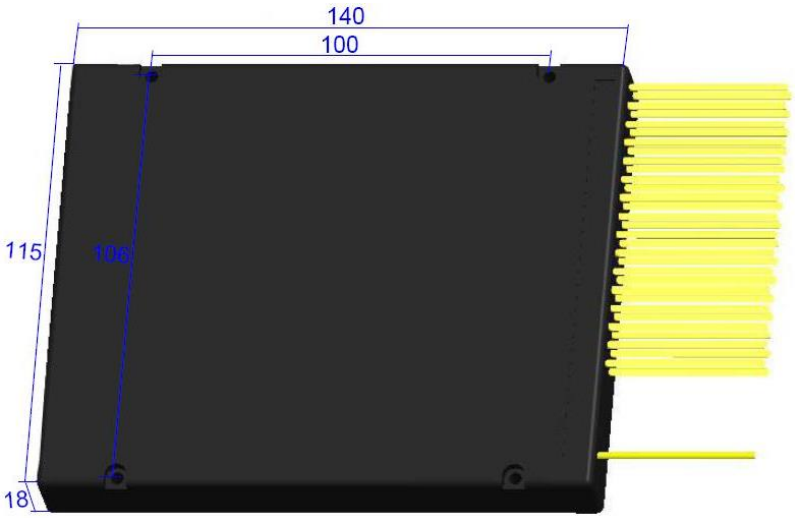
PLC Module Appearance and Dimensions



1x2 & 1x4 & 1x8 Module

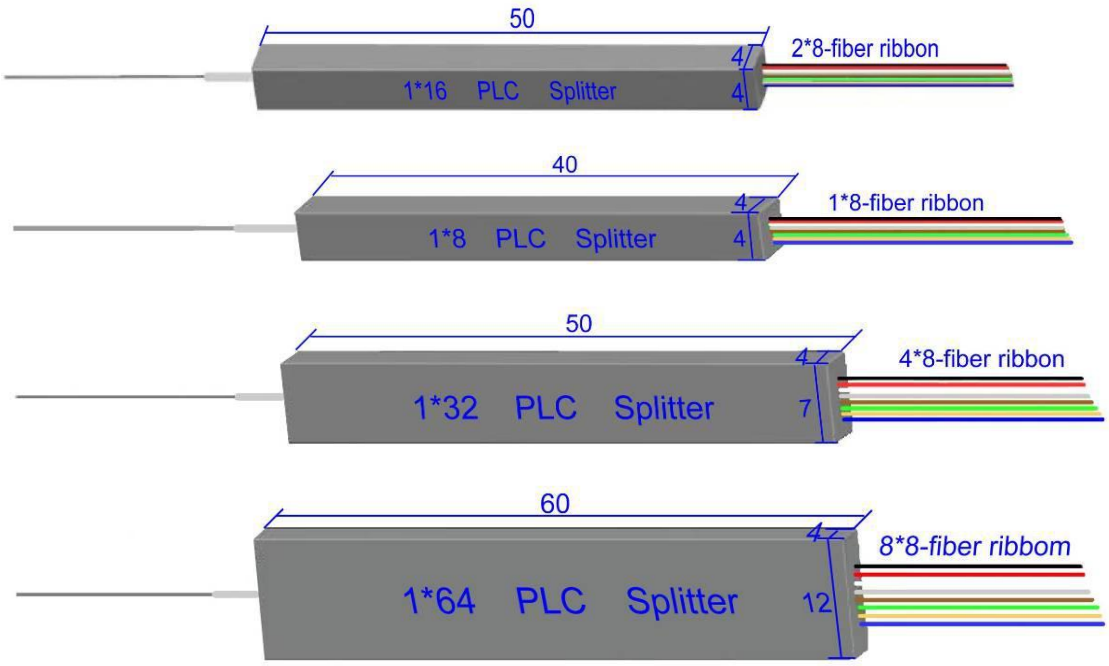


1x16 Module



1x32 & 1x64 Module

PLC Device Appearance Dimension



PLC Minisize-Module Appearance Dimension