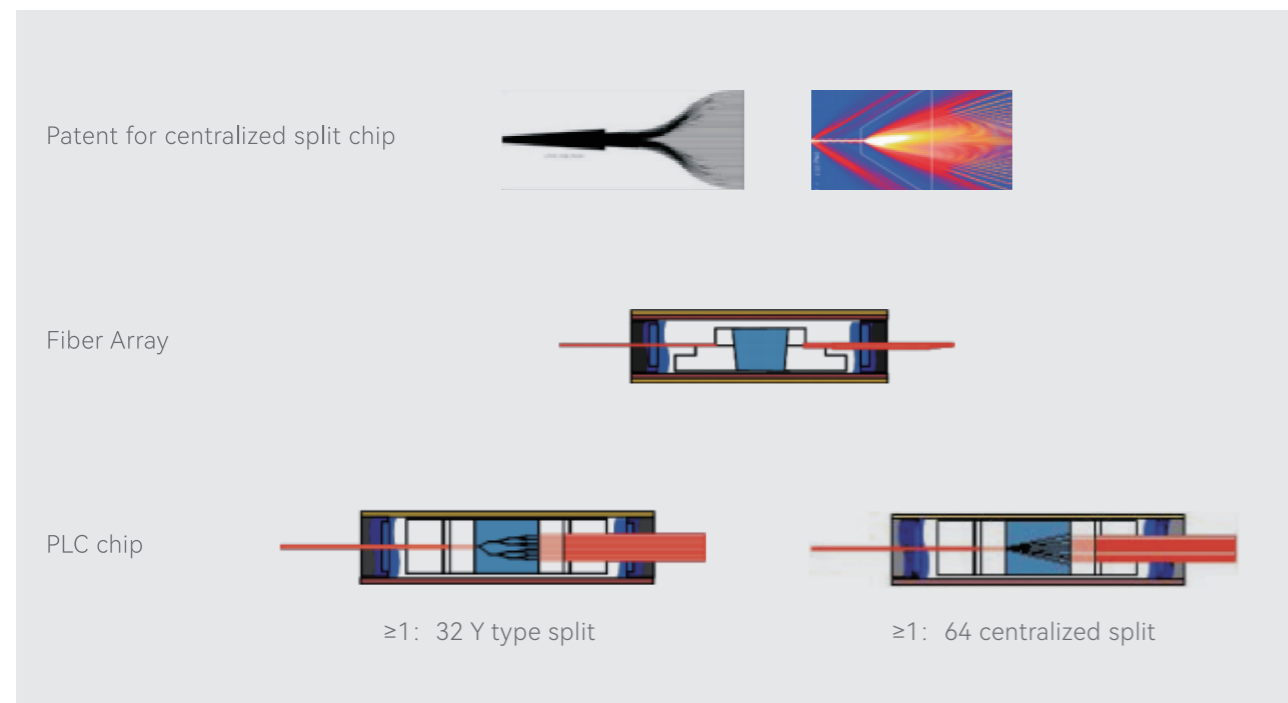


## 08

- Low insertion loss
- Low polarization dependence
- Environmentally stable
- High mechanical reliability
- Excellent uniformity
- Configurations from 1x2 to 1x128, and 2x4 to 2x64
- Using low loss patent technology(centralized split chip) with high split ratio of 1x128 PLC splitter
- Qualified to Telcordia GR-1209 and GR-1221 standards and RoHS compliant materials
- Can be connectorized with many different connector types such as SC, FC, LC and others as request.
- Can be supplied with many different components module such as M-type, LGX-B, LGX-M, 19 inch rack, and S-type etc.
- G657A single-mode fiber in/output
- All connectors are supplied with ceramic ferrules
- Pre-installation of splitter modules for ODN equipment is possible

## Application

- FTTx
- LAN, WAN & Metro
- CATV
- Test and measurement



## Optical properties

Parameter	Specification		
Operating wavelength	1260 ~ 1650 nm		
Maximum input power	>300mW		
Directivity	>55dB		
WDL	1x2 to 1x16, 2x4 to 2x16	1x32 to 1x64, 2x32 to 2x64	
	<0.8dB	<1.0dB	
PDL	1x2 to 1x16, 2x4 to 2x16	1x32 to 1x64, 2x32 to 2x64	
	<0.3dB	<0.3dB	
Return loss	without connector	with UPC type connector	with UPC type connector
	> 55dB	> 50dB	> 50dB

## Insertion loss and uniformity [1][2]

1xN split ratio						
Split ratio	1×2	1×4	1×8	1×16	1×32	1×64
Insertion loss (dB)	≤4.1	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4
Uniformity (dB)	<0.4	<0.8	<0.8	<1.2	<1.2	<1.5
2xN split ratio						
Split ratio	2×4	2×8	2×16	2×32		
Insertion loss (dB)	≤7.7	≤10.8	≤14.1	≤17.4		
Uniformity (dB)	<0.8	<0.8	<1.2	<1.5		

[1]Insertion loss test are taken at room temperature at 1310nm, 1490nm and 1550nm, connectors loss has been included.  
 [2]Above are PLC insertion loss with connector.

## Temperature and humidity

Parameter	Specification
Operation temp	-40 to +85°C
Transport and storage	-40 to +85°C
Storage rel. humidity	20~95 (%RH)

### M-style splitter

Split ratio	NxM [5]	Nx32	Nx64
Dimension (mm)	105x68x8	128x78x15	128x78x20
Package material	Plastic (black)		
Port description	φ2.0mm pigtail, with or without SC, LC or FC connector		

[5] N=1,2;M=2, 4, 8, 16, 32, 64

- φ2.0mm pigtail with or without SC, LC or FC connector
- Adopts G.657A optical fiber
- Cassette package size
- Provides split ratio from 1x2 to 1x64, and 2x4 to 2x64



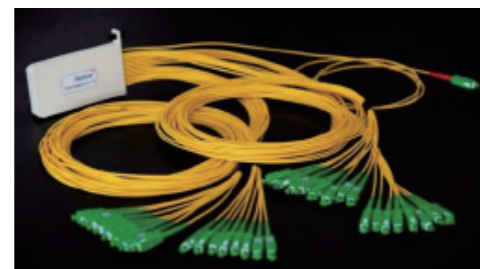
### LGX-M style compact size splitter

Split ratio	NxM [6]	Nx64
Dimension (mm)	100x68.8x12.5	115x68.8x25.8
Package material	Plastic (faint yellow)	
Port description [7]	φ2.0mm loose tube pigtail with or without SC, LC or FC connector	

[6] N=1,2;M=2, 4, 8, 16, 32, 64

[7] Customized optical fiber length is available

- φ2.0mm pigtail with or without SC, LC or FC connector
- Adopts G.657A optical fiber
- Compact cassette package size
- Good compatibility and interchangeability, easy installation
- Provides split ratio from 1x2 to 1x32, and 2x4 to 2x32



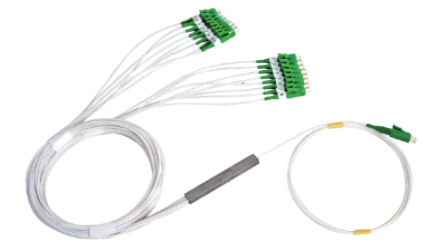
### S-style splitter

Split ratio (NxM [8])	1x2	Nx4/Nx8	Nx4/Nx8	Nx64	Nx4/Nx8
Dimension (mm)	40x4x4	55x7x4	60x12x4	80x20x6	100x40x6
Package material	60x12x4				
Port description [9]	φ0.9mm loose tube pigtail with or without SC, LC or FC connector				

[8] N=1,2;M=2, 4, 8, 16, 32, 64

[9] Customized fiber length is available

- φ0.9mm loose tube pigtail with or without SC, LC or FC connector
- Adopts G.657A optical fiber
- Micro encapsulation
- Provides split ratio from 1x2 to 1x64, and 2x4 to 2x64



### FBT Optical splitter

Split ratio	50/50	45/55	40/60	35/65	30/70	25/75
Insertion loss (dB)	≤4.0	≤4.65/3.65	≤5.3/3.3	≤5.95/2.90	≤6.7/2.5	≤7.65/2.2
PDL(dB)	≤0.2					
Split ratio	20/80	15/85	10/90	5/95	2/98	1/99
Insertion loss (dB)	≤8.8/1.8	≤10.1/1.50	≤11.50/1.25	≤14.80/0.9	≤19.40/0.8	≤22.70/0.75
PDL(dB)	≤0.2					

Above are FBT insertion loss without connector

- Low insertion loss
- Environmentally stable
- High mechanical reliability
- RoHS compliant materials
- Can be connectorized with many different connector types such as SC, FC, LC and others as request.
- G657A singlemode fiber in/output

