

## Slot type PLC splitter

### Features:

- Low insertion loss, Low PDL and High reliability
- High return loss and Good repeatability
- Wide wavelength range
- Excellent channel-to-channel uniformity

### Applications:

- LAN, WAN and Metro Networks
- FTTH project & FTTX Deployments
- CATV System
- GPON, EPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Net



### Encapsulation Size

| Item | Type of Connector | Length*Width*Height (mm) |
|------|-------------------|--------------------------|
| 1x2  | SC/LC             | 130*100*25               |
| 1x4  | SC/LC             | 130*100*25               |
| 1x8  | SC/LC             | 130*100*25               |
| 1x16 | SC/LC             | 130*100*50               |
| 1x32 | SC                | 130*100*102              |
| 1x32 | SC                | 267*100*50               |
| 1x32 | LC                | 130*100*50               |
| 1x64 | LC                | 130*180*102              |
| 2x2  | SC/LC             | 130*100*25               |
| 2x4  | SC/LC             | 130*100*25               |
| 2x8  | LC                | 130*100*25               |
| 2x16 | SC/LC             | 130*100*50               |
| 2x32 | SC                | 130*100*102              |
| 2x32 | LC                | 130*100*50               |
| 2x64 | LC                | 130*100*102              |

**Technical Specs for PLC Splitter with Connector**

| Item   | 1x2           | 1x4  | 1x8   | 1x16  | 1x32  | 1x64  | 1x128 |
|--|---------------|------|-------|-------|-------|-------|-------|
| Fiber Type   | G.657.A       |      |       |       |       |       |       |
| Working Wavelength   | 1260nm~1650nm |      |       |       |       |       |       |
| Standard Insertion Loss (dB)   | ≤4.2          | ≤7.6 | ≤10.7 | ≤14.0 | ≤17.2 | ≤20.8 | ≤24.0 |
| P- Grade Insertion Loss (dB)   | ≤4.0          | ≤7.4 | ≤10.5 | ≤13.8 | ≤17.0 | ≤20.4 | ≤23.7 |
| Uniformity (dB)  | ≤0.6          | ≤0.8 | ≤0.8  | ≤1.0  | ≤1.5  | ≤2.0  | ≤2.0  |
| PDL (dB)   | ≤0.2          | ≤0.2 | ≤0.3  | ≤0.3  | ≤0.3  | ≤0.4  | ≤0.5  |
| Wavelength Dependent Loss (dB)   | ≤0.6          | ≤0.8 | ≤0.8  | ≤1.0  | ≤1.5  | ≤2.0  | ≤2.0  |
| Return Loss (dB)   | ≥50           |      |       |       |       |       |       |
| Directivity (dB)   | ≥55           |      |       |       |       |       |       |
| Operating Temp. Gange  | -40°C~ +85°C  |      |       |       |       |       |       |
| Note: The above parameter is for Splitter with connector. If w/o connector, insertion loss will reduce by 0.2dB. |               |      |       |       |       |       |       |

| Item   | 2x2           | 2x4  | 2x8   | 2x16  | 2x32  | 2x64  | 2x128 |
|--|---------------|------|-------|-------|-------|-------|-------|
| Fiber Type   | G.657.A       |      |       |       |       |       |       |
| Working Wavelength   | 1260nm~1650nm |      |       |       |       |       |       |
| Standard Insertion Loss (dB)   | ≤4.4          | ≤8.0 | ≤11.0 | ≤14.6 | ≤17.8 | ≤21.0 | ≤24.4 |
| P- Grade Insertion Loss (dB)   | ≤4.2          | ≤7.7 | ≤10.8 | ≤14.1 | ≤17.4 | ≤20.7 | ≤24.0 |
| Uniformity (dB)  | ≤0.8          | ≤1.0 | ≤1.2  | ≤1.5  | ≤1.8  | ≤2.0  | ≤3.0  |
| PDL (dB)   | ≤0.2          | ≤0.2 | ≤0.3  | ≤0.3  | ≤0.3  | ≤0.4  | ≤0.5  |
| Wavelength Dependent Loss (dB)   | ≤0.8          | ≤1.0 | ≤1.2  | ≤1.5  | ≤1.8  | ≤2.0  | ≤3.0  |
| Return Loss (dB)   | ≥50           |      |       |       |       |       |       |
| Directivity (dB)   | ≥55           |      |       |       |       |       |       |
| Operating Temp. Gange  | -40°C~ +85°C  |      |       |       |       |       |       |
| Note: The above parameter is for Splitter with connector. If w/o connector, insertion loss will reduce by 0.2dB. |               |      |       |       |       |       |       |

**Ordering Info**

|     | Port      | Fiber      | Input Pigtail | Input Connector | Input Pigtail Length | Output Pigtail | Output Connector | Output Pigtail Length |
|-----|-----------|------------|---------------|-----------------|----------------------|----------------|------------------|-----------------------|
| PLC | 102=1x2   | 1=G657A    | 1=250um       | NE=None         | 0=0.5m               | 1=250um        | NE=None          | 0=0.5m                |
|     | 104=1x4   | 2=G652D    | Bare Fiber    | SU=SC/UPC       | 1=1m                 | Bare Fiber     | SU=SC/UPC        | 1=1m                  |
|     | 108=1x8   | SP=Special | 2=900um       | SA=SC/APC       | 2=1.5m               | 2=900um        | SA=SC/APC        | 2=1.5m                |
|     | 116=1x16  |            | tight buffer  | LU=LC/UPC       | 3=2m                 | tight buffer   | LU=LC/UPC        | 3=2m                  |
|     | 132=1x32  |            | 3=900um       | LA=LC/APC       | 4=3m                 | 3=900um        | LA=LC/APC        | 4=3m                  |
|     | 164=1x64  |            | loose         | FU=FC/UPC       | SP=Special           | loose          | FU=FC/UPC        | SP=Special            |
|     | 128=1x128 | tube       | FA=FC/APC     | tube            |                      | FA=FC/APC      |                  |                       |
|     | 204=2x4   |            | 4=Φ2.0mm      | SP=Special      |                      | 4=Φ2.0mm       | SP=Special       |                       |
|     | 208=2x8   |            | cable         |                 |                      | cable          |                  |                       |
|     | 216=2x16  |            | 5=Φ3.0mm      |                 |                      | 5=Φ3.0mm       |                  |                       |
|     | 232=2x32  |            | cable         |                 |                      | cable          |                  |                       |
|     | 264=2x64  |            | SP=Special    |                 |                      | SP=Special     |                  |                       |