



## Features

- Low insertion loss and high uniform
- Low polarization relevant
- Redundant reliability

## Specifications

| Model                               | OS1X2PLCX                                                                                              | OS1X4PLCX | OS1X8PLCX | OS1X16PLCX | OS1X32PLCX | OS1X64PLCX | OS1X128PLCX |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|-----------|-----------|------------|------------|------------|-------------|
| Type                                | 1 x 2                                                                                                  | 1 x 4     | 1 x 8     | 1 x 16     | 1 x 32     | 1 x 64     | 1 x 128     |
| Operating Wavelength                | 1260 ~ 1650 nm                                                                                         |           |           |            |            |            |             |
| Insertion Loss                      |                                                                                                        |           |           |            |            |            |             |
| Typical                             | 4.0 dB                                                                                                 | 7.2 dB    | 10.3 dB   | 13.8 dB    | 16.8 dB    | 20.2 dB    | 23.5 dB     |
| Maximum                             | 4.2 dB                                                                                                 | 7.4 dB    | 10.5 dB   | 14.0 dB    | 17.0 dB    | 20.4 dB    | 23.7 dB     |
| Uniformity                          |                                                                                                        |           |           |            |            |            |             |
| Maximum                             | 0.8 dB                                                                                                 | 0.8 dB    | 0.8 dB    | 1.0 dB     | 1.2 dB     | 2.0 dB     | 2.0 dB      |
| Polarization Dependent Loss         |                                                                                                        |           |           |            |            |            |             |
| Maximum                             | 0.1 dB                                                                                                 | 0.1 dB    | 0.1 dB    | 0.2 dB     | 0.2 dB     | 0.2 dB     | 0.2 dB      |
| Return Loss                         |                                                                                                        |           |           |            |            |            |             |
| Maximum                             | ≥50 dB ( ≥55 dB with connector )                                                                       |           |           |            |            |            |             |
| Directivity                         |                                                                                                        |           |           |            |            |            |             |
| Maximum                             | ≥55 dB                                                                                                 |           |           |            |            |            |             |
| Operating Temperature               | -20 °C ~ 75 °C                                                                                         |           |           |            |            |            |             |
| Storage Temperature                 | -40 °C ~ 85 °C                                                                                         |           |           |            |            |            |             |
| 1RU Rack Size Dimension (L x D x H) | 482.6 mm (19") x 200 mm x 44.45 mm (1U)                                                                |           |           |            |            |            |             |
| Package / Type                      | Different outlook available (Please consultate for details)<br>ABS box, LGX modular box, 1RU rack size |           |           |            |            |            |             |
| Connector Options                   | SC/APC, FC/APC, LC/APC or none (Only ABS box can implement with pigtail without connector)             |           |           |            |            |            |             |

## How to Order :

|                |             |                     |     |   |
|----------------|-------------|---------------------|-----|---|
| MODEL          | OS1X        | N                   | PLC | X |
| NO.OF SPLITTER |             | TYPE                |     |   |
| 2 : 1x2        | 32 : 1x32   | B : Small Box Type  |     |   |
| 4 : 1x4        | 64 : 1x64   | L : LGX Type        |     |   |
| 8 : 1x8        | 128 : 1x128 | R : Rack Mount Type |     |   |
| 16 : 1x16      |             |                     |     |   |