



SPL2803 iODNCP V100R001C08 Datasheet

SPL2803 series of compact optical splitter is installed in the FAT to implement the splitting function. The splitter has different splitting ratio which covers 1:2~2:32.

Appearance



SPL2803 Appearance

Features

- **Product series:** Adapter: SC/UPC
Splitting ratio: 1:2-2:32
- **Dual color design:** The input adapter can be easily distinguished from the output adapter due to the color difference.
- **High quality:** With the adapter-encapsulated structure, it is easy to use and maintain on the site.
The optical splitters can be installed without using any tools, improving the construction efficiency.



Specifications

Remark: Connector loss is not included in the following parameters.

| Even Optical Splitter | Working bandwidth (nm) | Insertion loss (dB) | WDL (dB) | TDL (dB) | Return loss (dB) | Uniformity (dB) | PDL (dB) | Directivity (dB) | Power (mW) |
|-----------------------|------------------------|---------------------|----------|----------|------------------|-----------------|----------|------------------|------------|
| 1:2 FBT | 1260-1650 | ≤ 3.6 | ≤ 0.5 | ≤ 0.3 | ≥ 50 (UPC) | ≤ 0.6 | ≤ 0.15 | ≥ 55 | ≤ 300 |
| 1:4 PLC | | ≤ 7.2 | | | | ≤ 0.7 | | | |
| 1:8 PLC | | ≤ 10.3 | | | | ≤ 0.8 | | | |
| 1:16 PLC | | ≤ 13.6 | | ≤ 1.0 | | ≤ 0.3 | | | |
| 1:32 PLC | | ≤ 16.8 | | ≤ 1.3 | | ≤ 0.3 | | | |
| 2:2 FBT | | ≤ 3.6 | | ≤ 0.6 | | ≤ 0.15 | | | |
| 2:4 PLC | | ≤ 7.5 | | ≤ 1.2 | | ≤ 0.2 | | | |
| 2:8 PLC | | ≤ 11 | | ≤ 1.2 | | ≤ 0.3 | | | |
| 2:16 PLC | | ≤ 14.3 | | ≤ 1.8 | | | | | |
| 2:32 PLC | | ≤ 17.4 | | ≤ 1.8 | | | | | |

Environmental Parameters

| Item | Description | |
|-----------------------|----------------------------------|--|
| Environment parameter | Working temp | -40°C--+70°C |
| | Storage temp | -40°C--+70°C |
| | Work humidity | ≤95% (with no condensate) |
| | Atmospheric pressure | 70-106kPa |
| Physical parameter | Dimensions (H x W x D; unit: mm) | 25 x 130 x 100 50 x 130 x 100 50 x 266 x 100 |
| | Connector | SC/UPC |

Connector Parameters

| Item | Description |
|----------------|--------------|
| Insertion loss | UPC ≤ 0.2 dB |
| Return loss | UPC ≥ 50 dB |
| Lifetime | > 500 times |

Adapter Parameters

| Item | Description |
|----------------|--------------|
| Insertion loss | UPC ≤ 0.2 dB |
| Lifetime | > 500 times |

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