

## O SP 5812

fiber

SERIES 5000

CardModules

### 1 > 2 Optical Splitter

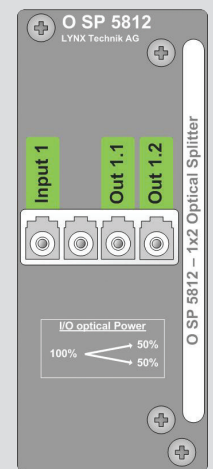
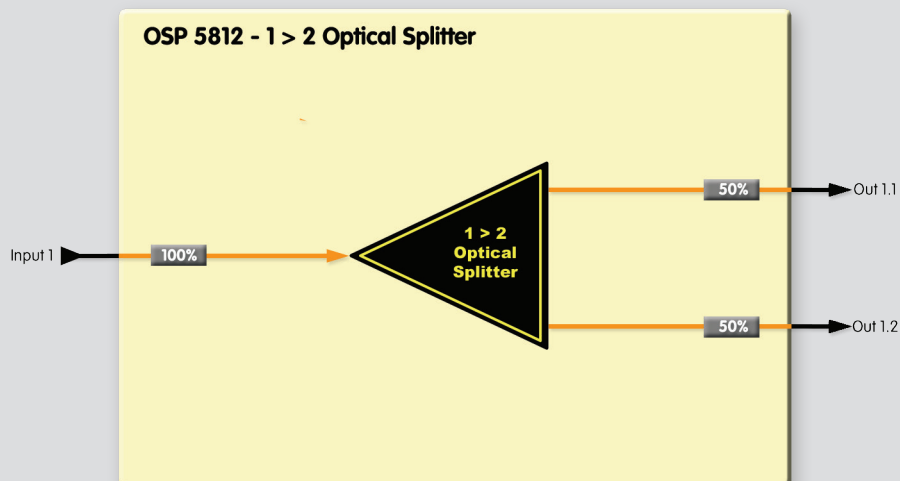
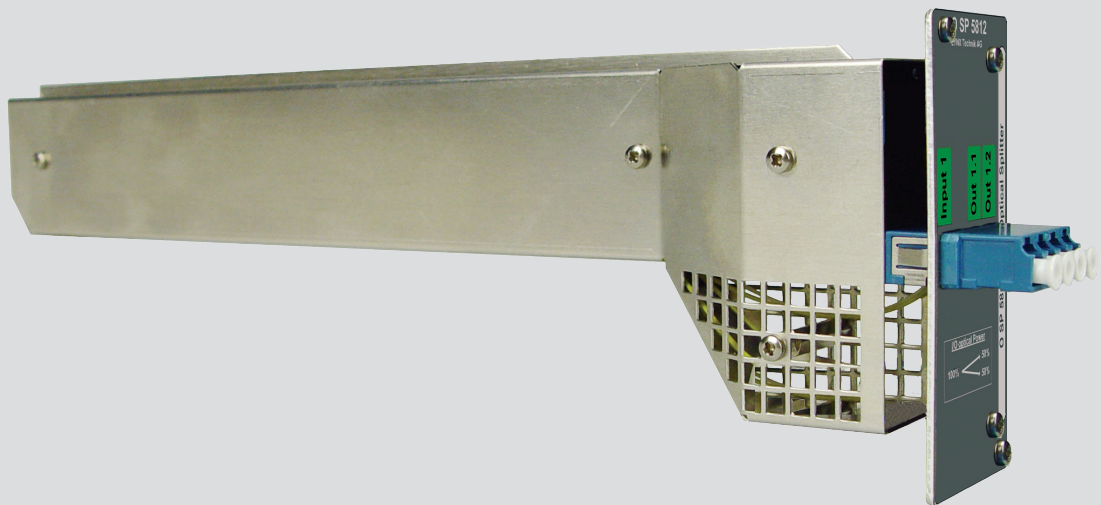
#### Description

The OSP 5812 is a 1 > 2 optical splitter / combiner. The optical input is split into 2 outputs, each one having 50% of the input power.

The module is passive in operation, meaning it requires no power, and is mechanically compatible with all Series 5000 rack frames and installs from the rear of the rack.

#### Features

- Precision 1>2 optical splitter
- 50% / 50% split ratio
- LC - PC connections (singlemode)
- Compatible with all Series 5000 rack frames (2RU and 1RU)
- Occupies one card slot



Backplane

## 1 > 2 Optical Splitter

### Specifications

| Optical I/O                      |  |
|----------------------------------|--|
| Input                            | 1  |
| Outputs                          | 2  |
| Connector type                   | LC - PC (singlemodel)                    |
| Operating Wavelengths            | 1260nm - 1650nm                          |
| Performance                      |  |
| Insertion loss (incl. connector) | 4.0 dB                                   |
| Split ratio %                    | 50/50                                    |
| Polarization dependant loss      | max 0.3dB                                |
| Return Loss                      | > 55dB                                   |
| Directivity                      | > 55dB                                   |
| Max input power                  | 500mw                                    |
| Mechanical                       |  |
| Size                             | 85mm x 286mm (not incl. connectors)      |
| Weight                           | 150 g                                    |
| Ambient                          |  |
| Temperature                      | -20°C to 85°C Maintaining specifications |
| Humidity                         | 90% Max non condensing                   |

Specifications subject to change

### Ordering Information

| Model #   | Part Number | Description          | Includes  |
|-----------|-------------|----------------------|---|
| O SP 5812 | 1000005812  | 1>2 Optical Splitter | CardModule + Mounting Screws + Reference Manual (on CD) |