

## Passive Optical Splitters / Combiners

The **OSP 1812**, **OSP 1812 M** and **OSP 1814** are compact optical splitters that are used to split or combine a fiber optic signal.

Three versions are available:

### OSP 1812

One input (100%) and two outputs (each 50%)

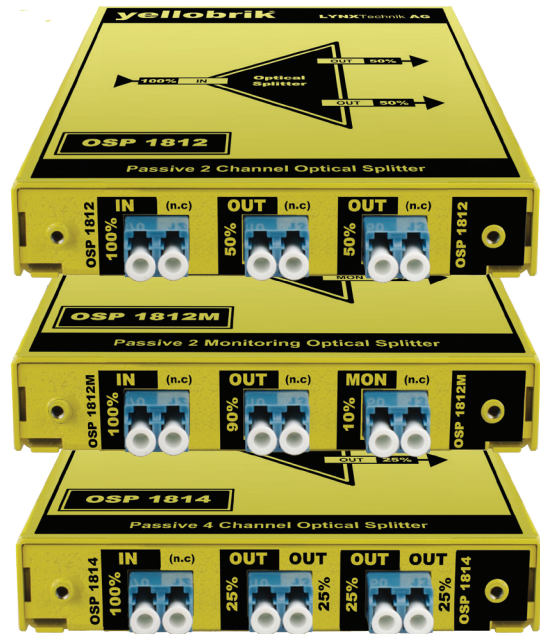
### OSP 1812 M

One input (100%) and two outputs, one at 90% power and a second at 10% power. Typically used as a monitoring output.

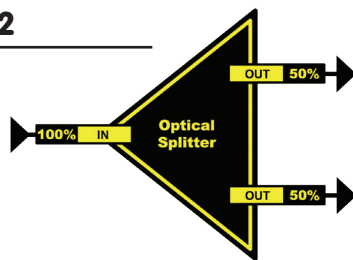
### OSP 1814

One input (100%) and four outputs (each 25%)

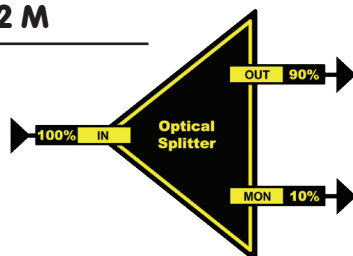
These yellobriks are passive in operation, which means they require no power. They can be used as standalone modules or mounted into the yellobrik RFR 1018 19" rack frame.



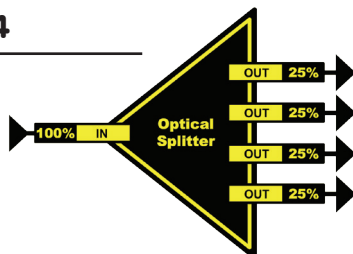
### OSP 1812



### OSP 1812 M



### OSP 1814



## Technical Specifications

**OSP 1812**  
**Optical I/O** 1 x Fiber input  
2 x Fiber outputs  
**Split Ratio: 50% / 50%**

**OSP 1812 M**  
**Optical I/O** 1 x Fiber input  
2 x Fiber outputs  
**Split Ratio: 90% / 10%**

**OSP 1814**  
**Optical I/O** 1 x Fiber input  
4 x Fiber outputs  
**Split Ratio: 25% / 25% / 25% / 25%**

**Optical Connections** LC/PC (singlemode)  
Operating wavelength 1260nm - 1650nm

**Performance** Insertion loss (including connector)  
OSP 1812 and OSP 1812M = 4.0 dB  
OSP 1814 = 7.6dB

Polarization dependant loss: max 0.3dB

Return loss: > 55dB

Directivity: > 55dB

Max input power: 500mW

**Power** None required (passive operation)

**Physical** Size: L: 125mm x W: 100mm x H: 19mm (4.92" x 3.93" x 0.75")  
Weight: 120g (4.3oz)

**Model #** OSP 1812 - ( EAN# 4250479359796 )  
OSP 1812 M - ( EAN# 4250479359802 )  
OSP 1814 - ( EAN# 4250479359819 )

**Includes** Module and plastic transport case

Specifications subject to change