

## 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.

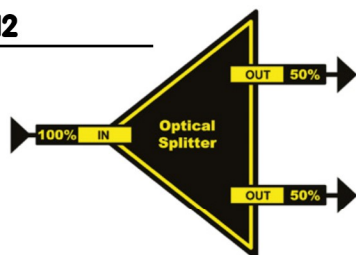
### OSP 1814

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

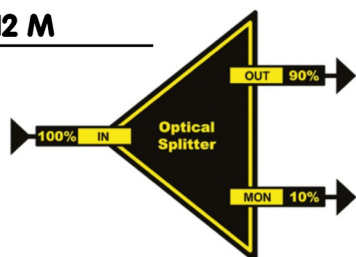
These yellobriks are passive in operation, which means they require no power. They can be used as standalone modules or mounted into the yellobrik RFR 1018 19" rack frame.



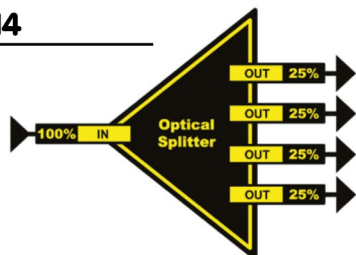
### OSP 1812



### OSP 1812 M



### OSP 1814



## Technical Specifications

<b>OSP 1812</b>	1 x Fiber input
<b>Optical I/O</b>	2 x Fiber outputs
	<b>Split Ratio: 50% / 50%</b>
<b>OSP 1812 M</b>	1 x Fiber input
<b>Optical I/O</b>	2 x Fiber outputs
	<b>Split Ratio: 90% / 10%</b>
<b>OSP 1814</b>	1 x Fiber input
<b>Optical I/O</b>	4 x Fiber outputs
	<b>Split Ratio: 25% / 25% / 25% / 25%</b>
<b>Optical Connections</b>	LC/PC (singlemode) Operating wavelength 1260nm - 1650nm
<b>Performance</b>	Insertion loss (including connector and split loss) OSP 1812 = 4.0 dB; OSP 1812M = 1.0 dB (90% output); 11.0dB (10% output) OSP 1814 = 7.6dB
	Polarization dependant loss: max 0.3dB
	Return loss: > 55dB
	Directivity: > 55dB
	Max input power: 500mW
<b>Power</b>	None required (passive operation)
<b>Physical</b>	Size: L: 100mm (3.93") x W: 110mm(4.33") x H: 19mm(0.75") excl. connectors L: 100mm (3.93") x W: 130mm(5.12") x H: 19mm(0.75") incl. connectors Weight: 120g (4.3oz)
<b>Ambient</b>	-40°C to +70°C (-41 to 185°F) 90% Humidity (non condensing)
<b>Model #</b>	OSP 1812 - ( EAN# 4250479359796 ) OSP 1812 M - ( EAN# 4250479359802 ) OSP 1814 - ( EAN# 4250479359819 )
<b>Includes</b>	Module

Rev 05-Specifications subject to change