

## 9 Channel CWDM Multiplexer / Demultiplexer [1270nm - 1430nm]

- Send / receive up to 9 channels over a single fiber
- 1270nm to 1430nm (ITU-T G.694.2)
- Passive operation (no power required)
- Combine with OCM 1892 for 18 channels
- LC/PC single mode optical connections
- Optional ½ RU 19" rack frame

The **OCM 1891** is a compact CWDM passive 9 channel optical multiplexer / demultiplexer designed to send or receive up to 9 individual signals over a single fiber link. The module has an UPG (Upgrade) port to connect to the OCM 1892, which expands the capability of the modules to 18 CWDM channels

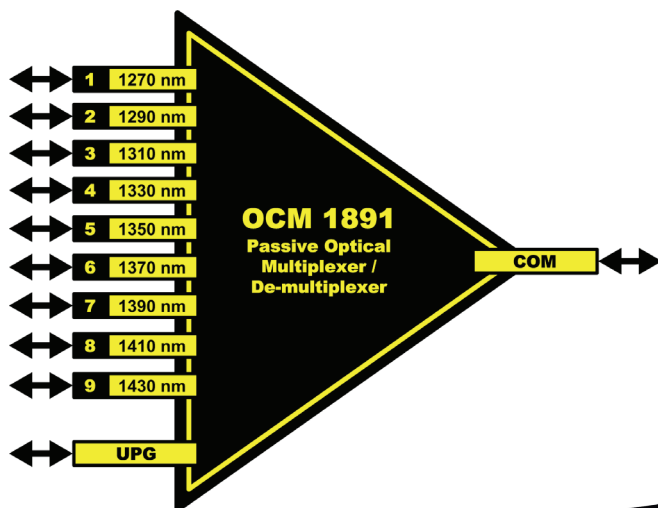
The modules can be used standalone or integrated into the optional RFR 1018 1/2 RU 19" rack frame, ideal for system installations.

Ideally suited for use with the CWDM yellobrik fiber modules (all 18 wavelengths available).



### Technical Specifications

|                    |  |
|--------------------|--|
| <b>Optical I/O</b> | 9 x Fiber Optic I/O channels (1 through 9)<br>Center frequencies taken from ITU-T G.694.2<br>1270,1290,1310,1330,1350,1370,1390,1410,1430 nm |
|                    | 1 x COM (common) connection = multiplexed I/O  |
|                    | 1 x UPG (Upgrade) I/O connection<br>(pass band connection to OCM 1892 module)  |
|                    | LC/PC connectors SMF (single mode)   |
|                    | Channel Insertion loss: 2.7dB<br>UPG Insertion loss: 2.7dB   |
|                    | Polarization dependant loss: max 0.2dB   |
|                    | Return Loss: > 45dB  |
|                    | Isolation (to adjacent channel): > 30dB  |
|                    | Directivity > 55dB   |
|                    | Temp. dependant loss: < 0.005dB/°C   |
|                    | Temp. dependant change of wavelength: < 0.003nm/°C   |
|                    | Max. input power: 500mw  |
|                    | Single or full duplex operation  |
| <b>Power</b>       | None required (passive operation)  |
| <b>Physical</b>    | Size: L: 108mm x W: 198mm x H:19mm (4.25" x 7.79" x 0.75")<br>Weight: 230g (8.1oz)   |
| <b>Model #</b>     | OCM 1891 - (EAN# 4250479318915 )   |
| <b>Includes</b>    | Module and plastic transport case  |



Optional **RFR 1018** ½ RU 19" Rack chassis with 2 x OCM modules

Specifications subject to change