



DWDM optical Demultiplexer 1 input - 4 outputs: Ch34/Ch33/Ch32/Ch31

Optical Demultiplexer component for multi-satellite applications.

This device receives the satellite and terrestrial signal from 4 optical transmitters previously multiplexed over a single fiber, demultiplexes them and sends them through 4 fibers at wavelengths Ch34 (1550,12 nm) / Ch33 (1550,92 nm) / Ch32 (1551,72 nm) / Ch31 (1552,52 nm) to the different receivers in the system using the DWDM technique.

Ref.	234757
Logical ref.	ODWDM4S
EAN13	8424450315415

Packaging info

Box	1 pcs.
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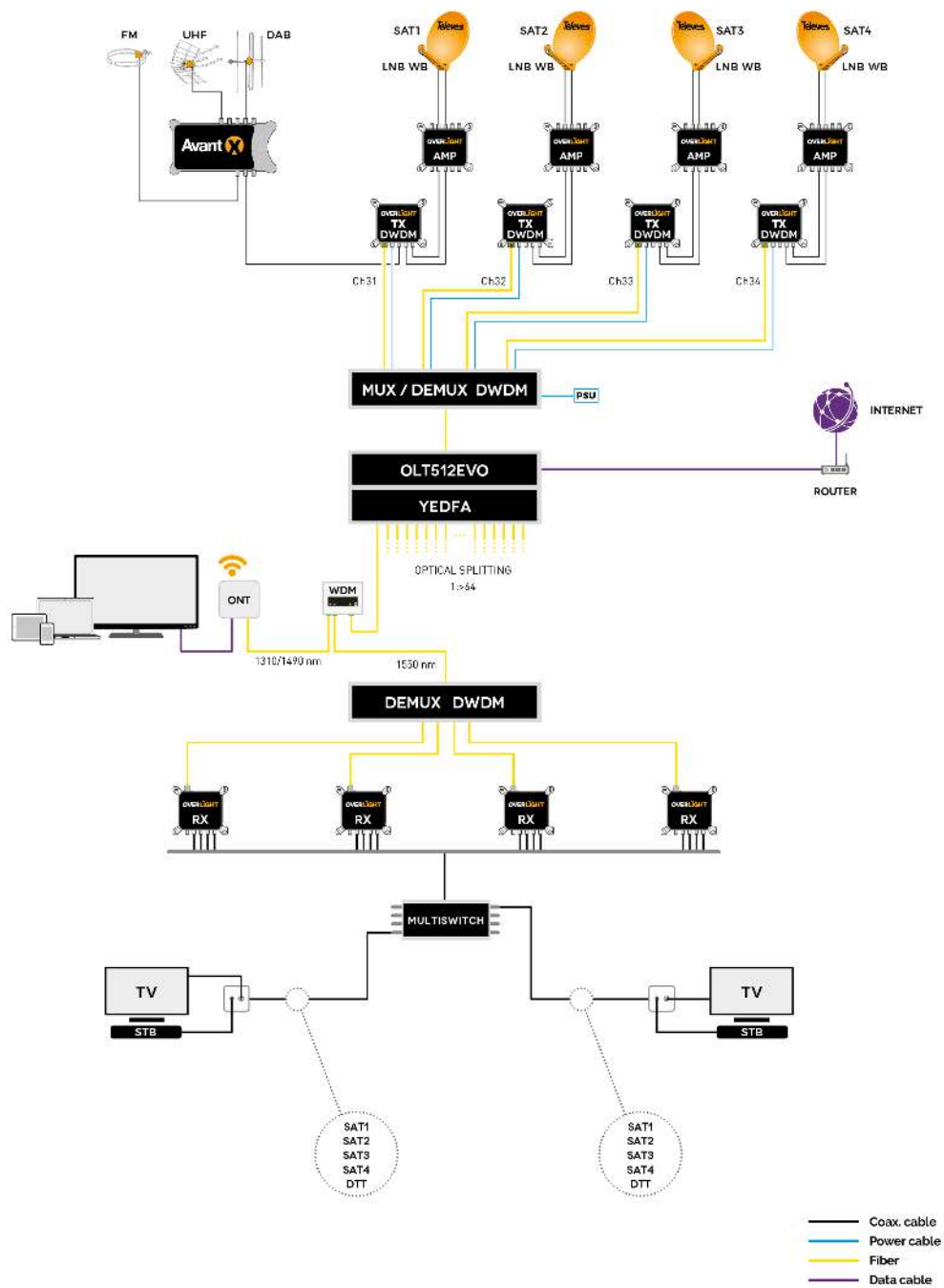
Physical data

Net weight	72.00 g
Gross volume	1.45 dm ³
Gross weight	122.00 g
Width	100.00 mm
Height	80.00 mm
Depth	10.00 mm
Main product weight	72.00 g

Highlights

- DWDM (Dense Wavelength Division Multiplexing) technology
- Compatible with Overlight Series transmitters for 4-satellite and terrestrial TV transmission solutions for more than 64 users through a single optical fiber (amplification required)
- Smaller signal losses
- High channel isolation
- Compact and very discreet format
- Designed for indoor installation
- 100% European design, quality, and manufacturing
- SC/APC optical connectors
- Recommended for use in combination with MUX ref. 234751

Application example



Technical specifications : Ref. 234757

Number of inputs				1	
Number of outputs				4	
Wavelength	nm	1550.12	1550.92	1551.72	1552.52
Optical channel		34	33	32	31
Insertion losses	dB	1.3	1	0.75	0.5
Max. optical power	dBmW	26.9	26.9	26.9	26.9
Channel passband	nm	1549.9 ... 1550.34	1550.7 ... 1551.14	1551.5 ... 1551.94	1552.3 ... 1552.74
Max. optical power	dBmW			26.9	
Insertion losses	dB			< 1.8	
Channel spacing	nm			0.8	
Isolation between adjacent channels	dB			28	
Isolation between non-adjacent channels	dB			40	
Optical return losses	dB			> 45	
Directivity	dB			> 50	
Polarization loss (PDL)	dB			< 0.15	
Optical connectors				SC/APC	
Operating temperature	°F			23 ... 113	
Protection index (IP)				20	