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Fiber4Sat Module: DWDM Optical Transmitter (2 Satellites + DTT) 1550.12/1550.92

Two satellites and the whole DTT over a single optical fiber

Transmitter. The device receives the signal from 2 optical LNBs and distributes it, over a single optical fiber, to the different users, using the DWDM transmission technique.

Ref.237910

Art.Nr

OM4S

EAN13

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Highlights

- 2 Satellites + DTT/QAM
- 8 Polarities on a single fiber
- Higher distribution distance
- Smaller signal losses
- Higher bandwidth
- Rack mounting
- Easy installation

Main features

- Two complete satellites + RF (DTT/QAM) over a single fiber
- DWDM based transmission (Dense Wavelength Division Multiplexing)
- Allows the powering of all 2 LNBs

Technical specifications

OPTICAL INPUTS		
Inputs number		2 (SAT) 2 (External)
Maximum optical power	dBm	+3 (SAT) +7 (External)
Power self-regulation range	dBm	-5...+3 (SAT)
Bandwidth		1100...1650 (SAT) CH31, CH32 (External)
Optical connectors	type	SC/APC (SAT) SC/PC (External)
OPTICAL OUTPUT		
Outputs number		1
Wavelengths at the output connector	nm	1550.12, 1550.92 (SAT) 1551.72, 1552.52 (EXT)
Optical power for each wavelength	dBm	9
Output optical connector	type	SC/APC
RF INPUT		
Connector	type	F
Impedance	Ohm	75
Bandwidth	MHz	47...862
Self-controlled input range	dBμV	75...90
GENERAL		
Voltage	Vac	110 - 230
Frequency	Hz	50/60
Maximum input power consumption (when powering 4 LNBs)	mA	450
Input voltage at F connectors for satellite power supply	Vdc	12
Maximum current in F connectors for satellite power	mA	450
Operating temperature	°C	-5...45
Protection index	PI	20