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Optical converter to RF Quattro Circular FM/DAB/UHF/SAT

This accessory for systems equipped with an optical LNB, receives an optical TV signal (1100 nm-1650 nm) and restores the original RF signal. Provides 5 RF outputs: one for terrestrial TV, the other 4 for satellite TV in Quattro mode; in other words, it provides one of the four TVSAT polarity and band combinations on each connector.

Ref.237003

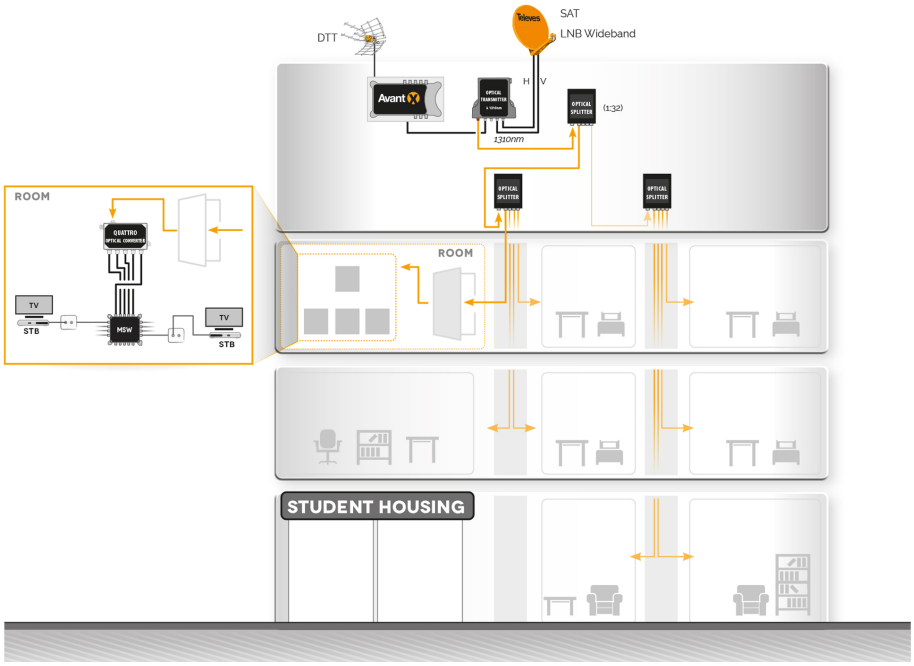
Art.Nr	OMS44TSN
EAN13	8424450183717

Highlights

- Switch for satellite gain regulation with three different levels: low, medium and high
- RF signal presence LED indicator
- Accepts terrestrial TV signal mix (FM/DAB/UHF)
- Limited size
- FC/PC optical connectors, F-type connectors for RF

Application example

(Click to see the picture)



FTTR (DTT + SAT)

Technical specifications

Salida RF	Satellite			
	Horizontal High Band		MHz	1100 - 2150
	Vertical High Band		MHz	1100 - 2150
	Horizontal Low Band		MHz	950 - 1950
	Vertical Low Band		MHz	950 - 1950
	Return Loss		dB	≥ 10
	Nominal Impedance		Ω	75
	Gain Variation Across Band		dB	≤ 7
	Terrestrial Rejection		dB	30
	Typical Outputs Levels		dBµV	78 * (Satellite switch - high gain position) 73 * (Satellite switch - med gain position) 68 * (Satellite switch - low gain position)
	FM / DAB / TDT			
	RF Frequency Range		MHz	88 - 790
				FM 88 - 108
				DAB 174 - 240
				DTT 470 - 790
	Return Loss		dB	≥ 10
	Nominal Impedance		Ω	75
	Gain Variation Across Band		dB	5
	Satellite Rejection		dB	35
	Typical Outputs Levels	Nº Multiplexes	dBµV	FM/DTT
		1		82
		6		78
Optical Input	Optical			
	Optical Wavelenght		nm	1100 to 1650
	Optical Return Loss		dB	45
	Optical Input Power	Min.	dBm	- 12,2
		Max.		-3
General	Electrical			
	Power Supply Voltage		V	10,5 to 20 by AC/DC adaptor or satellite outputs
	Current Consumption		mA	500 @ 10,5V 430 @ 12V 260 @ 20V
	Mechanical			
	Temperature ranges	Operating	ºC	-15 ... +55
		Storage		-20 ... 70
	Optical Input		Typ	FC / PC
	RF Output connectors		Typ	4 x F- female