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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

### Main features

- FC/PC optical connectors, F-type connectors for RF

## Technical specifications

Salida RF	Satellite			
	<b>Horizontal High Band</b>		MHz	1100 - 2150
	<b>Vertical High Band</b>		MHz	1100 - 2150
	<b>Horizontal Low Band</b>		MHz	950 - 1950
	<b>Vertical Low Band</b>		MHz	950 - 1950
	<b>Return Loss</b>		dB	≥ 10
	<b>Nominal Impedance</b>		Ω	75
	<b>Gain Variation Across Band</b>		dB	≤ 7
	<b>Terrestrial Rejection</b>		dB	30
	<b>Typical Outputs Levels</b>		dBμV	78 * (Satellite switch - high gain position) 73 * (Satellite switch - med gain position) 68 * (Satellite switch - low gain position)
	FM / DAB / TDT			
	<b>RF Frequency Range</b>		MHz	88 - 790 FM 88 - 108 DAB 174 - 240 DTT 470 - 790
	<b>Return Loss</b>		dB	≥ 10
	<b>Nominal Impedance</b>		Ω	75
	<b>Gain Variation Across Band</b>		dB	5
<b>Satellite Rejection</b>		dB	35	
<b>Typical Outputs Levels</b>	N° Multiplexes	dBμV	FM/DTT	
	1		82	
	6		78	
Optical Input	Optical			
	<b>Optical Wavelength</b>		nm	1100 to 1650
	<b>Optical Return Loss</b>		dB	45
	<b>Optical Input Power</b>	Min.	dBm	- 12,2
Max.		-3		
General	Electrical			
	<b>Power Supply Voltage</b>		V	10,5 to 20 by AC/DC adaptor or satellite outputs
	<b>Current Consumption</b>		mA	500 @ 10,5V 430 @ 12V 260 @ 20V
	Mechanical			
	<b>Temperature ranges</b>	Operating	°C	-15 ... +55
		Storage		-20 ... 70
	<b>Optical Input</b>		Typ	FC / PC
	<b>RF Output connectors</b>		Typ	4 x F- female