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FTTH optical transmitter

1310/1550nm, Po 6dBm

The complete satellite and DTT lineup in a single optical fiber

The FTTH transmitter receives one RF terrestrial signal (DTT from one headend) and one optical satellite signal (1310 nm) as inputs. The device converts DTT into optical (1550 nm) and multiplexes it with the satellite input to provide one single optical fiber output (1310 nm/1550 nm) with all the contents.

Part of FULL SAT + DTT system, to be used together with the FTTH receiver (ref. 237320).

Ref.237301

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Highlights

- High conversion quality: perfect for scenarios where the terrestrial band carries a high number of channels
- Wide dynamic ranges

Main features

- Compatible with legacy and dCSS multiswitches
- High-shielding Zamak chassis
- Can be wall-mounted using screws
- SC/APC and FC/PC optical connectors, and F-type connectors for RF

Technical specifications

RF parameters		
Bandwidth	MHz	47 ... 2200
Flatness	dB	± 0,75 (47-1200MHz) ± 2,5 (47-1200MHz)
Input level	dBμV	79 (47-1200MHz) 42ch CENELEC 95 (950-2200MHz) DIB-VDE 0855/12
CNR/CSO/CTB	dBμV	>51/>60/>65
Optical output		
Laser	Tipo	MQW-DBF
Output power	dBm	+6
Wavelength	nm	1550
General		
Supply voltage	V~	99...253
Maximum power	W	4
Max. current consumption	mA	75 (99V) / 40 (253V)
Dimensions (xyz)	mm	185 x 80 x 35
Weight	g	400
IP protection index	IP	30