

TDX - DVB-T2 frontend module

The DVB-T2 frontend module is an input module for the reception of both T and T2 digital terrestrial signals. The module can receive a complete terrestrial MUX and send all services in the MUX to the TDX pool.

The DVB-T2 frontend module includes a tuner, with integrated gain control and channel filtering, and a COFDM demodulator with serial transport stream input to the TDX system.

The DVB-T2 modules can be placed in any of the slots in the input section. For ease of use, each slot has been given a number and an overview of the slot numbers is placed on a sticker mounted on the inside of the door on the TDX frame. It is possible to remove an input module from a module slot without using any tools and without interrupting the power supply. Using your fingers, simply press the fastener downwards and then pull the module off the module slot.

Features:

- Reception of HD and SD services
- DVB-T2 to IP conversion
- Software downloading through TDX system controller module
- Preconfiguration from/to file through system controller module
- Log to file/flash
- Hot swap service in TDX system
- All services will be transferred to the TDX pool

Technical data: - see next page



DVB-T2 frontend module



TDX - DVB-T2 input module

- COFDM demodulator



Technical data

Product		DVB-T/T2 - COFDM input demodulator
Art. No.		492023
RF		
Frequency range - VHF III (channel center)	MHz	177.5 - 226.5
Frequency range - UHF (channel center)	MHz	474.0 - 858.0
Input sensitivity		
QPSK, 8K FEC 2/3, guard interval 1/4	dBm	- 91.3... - 23
QAM16 FEC 2/3, guard interval 1/4	dBm	- 85.1... - 23
QAM64 FEC 2/3, guard interval 1/4	dBm	- 80.0... - 23
Input impedance	Ohm	75
Input return loss	dB	> 7.0
Noise figure	dB	< 7.0
Bandwidth	MHz	7/8
Demodulator		
Type		COFDM
FFT mode	DVB-T DVB-T2	2K, 8K 1K, 2K, 4K, 8K, 16K, 32K
Constellations	DVB-T DVB-T2	QPSK, 16QAM, 64QAM QPSK, 16QAM, 64QAM, 256QAM
Code rates	DVB-T DVB-T2	1/2, 2/3, 3/4, 5/6 and 7/8 1/2, 2/3, 3/4, 5/6
Guard interval	DVB-T DVB-T2	1/4, 1/8, 1/16, 1/32 1/4, 1/8, 1/16, 1/32, 1/128
Power supply		
Voltage/current	V/mA	12 / 275
Environment		
Temperature, operating	°C	-10...+50
Temperature, storage	°C	-20...+70
Humidity, operating	%	20...80
Humidity, storage	%	10...90
Mechanical data		
Input connector		F - female
Power supply/control connector	mm	Edge connector 2X18P
Weight	kg	0.060
Dimension (HxDxW)	mm	29 x 132 x 50

Recycling:

This product is manufactured in compliance with current EU environmental and recycling requirements and standards (WEEE, RoHS, etc.). Please observe your local implementation and requirements when recycling.



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