

## TDH 813 - DVB-T/T2 frontend module

The DVB-T/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 TDH 800 pool.

The DVB-T/T2 frontend module includes a tuner, with integrated gain control and channel filtering, and a COFDM demodulator with serial transport stream input to the TDH 800 system.

The DVB-T/T2 modules can be placed in any of the slots in the input section. It is possible to remove an input module from a module slot without using any tools. Using your fingers, simply press the fastener downwards and then pull the module off the module slot.

### Features:

- Reception of HD and SD services
- Software downloading through TDH 800 system controller module
- Preconfiguration from/to file through system controller module
- Log to file/flash
- All services will be transferred to the TDH 800 pool

**Technical data:**

- see next page



**DVB-T/T2 frontend module**



# TDH 813

## DVB-T/T2 frontend module

### - COFDM demodulator



## Technical data

Type:		TDH 813 DVB-T/T2 - COFDM frontend demodulator module
Art. no.		692823
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, 8K, FEC 2/3, guard interval 1/4	dBm	- 85.1... - 23
QAM64, 8K, 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	2K, 8K
	DVB-T2	1K, 2K, 4K, 8K, 16K, 32K
Constellations	DVB-T	QPSK, 16QAM, 64QAM
	DVB-T2	QPSK, 16QAM, 64QAM, 256QAM
Code rates	DVB-T	1/2, 2/3, 3/4, 5/6 and 7/8
	DVB-T2	1/2, 2/3, 3/4, 5/6
Guard interval	DVB-T	1/4, 1/8, 1/16, 1/32
	DVB-T2	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-connector
Power supply/control connector		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.

