

TDH 800 Frontend - DVB-T/T2 [COFDM]

Art. Number 692823



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.

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 Specifications

ORDER INFORMATION

EAN Number 5702666928234

CHARACTERISTICS

Demodulator Type	COFDM
Input level dB μ V	40 ... 85 dB μ V
FFT mode DVB-T	2K, 8K
FFT mode DVB-T2	1 K, 2K, 4K, 8K, 16K, 32K
Constellations DVB-T	QPSK, 16QAM, 64QAM
Constellations DVB-T2	QPSK, 16QAM, 64QAM, 256QAM
Code rates DVB-T	1/2, 2/3, 3/4, 5/6, 7/8
Code rates DVB-T2	1/2, 2/3, 3/4, 5/6
Guard Interval DVB-T	1/4, 1/8, 1/16, 1/32
Guard interval DVB-T2	1/4, 1/8, 1/16, 1/32, 1/128



Technical Specifications

FREQUENCY RANGE

Input frequency range MHz	VHF III 177.5 - 226.5 MHz /UHF 474 - 858 MHz
Bandwidth MHz	7/8 MHz

GAIN

Input noise figure dB	< 7.0 dB
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RETURN LOSS

Input return loss dB	> 6 dB
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OPERATIONAL

DC Operating voltage VDC	12 VDC
DC Current consumption mA	200 mA
Temperature - storage °C	-20 ..70 °C
Humidity - storage %	10 to 90 %

CONNECTORS

Input connector	F-female
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MECHANICAL

Packaging Height m	0.040 m
Packaging Width m	0.075 m
Packaging Depth m	0.175 m
Packaging Volume m3	0.001 m3
Net Weight kg	0.047 kg
Tara Weight kg	0.033 kg
Total Weight kg	0.080 kg