TDH 811 - DVB-S/S2 frontend module

The DVB-S/S2 frontend module is an input module for the reception of digital satellite signals in a TDH 800 headend system. The module can receive a complete transponder and all services on the chosen frequency can be transferred to the TDH 800 pool.

The DVB-S/S2 frontend module includes an IF tuner with antenna loop through and a QPSK/8PSK demodulator with serial transport stream input to the TDH 800 headend system.

The DVB-S/S2 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 of the module slot.

DVB-S/S2 frontend module

Features:
- Antenna loop through.
- Software downloading through TDH 800 system controller module.
- Preconfiguration from/to file through system controller module.
- Log to file/flash.
- DVB-S compliant, up to 45 MS/s.
- DVB-S2 compliant, up to 37 MS/s.
- Programmable LNB control: 0/14/18V - 0/22kHz.
- All services will be transferred to the TDH 800 pool.
- DiSEqC compliant (1.0)

Technical data:

TDH 811 - DVB-S/S2 input module
- QPSK and 8PSK demodulator

Technical data

Type:		TDH 811 DVB-S/S2 - QPSK and 8PSK frontend demodulator module
Art. no.		692820
RF		
Frequency range	MHz	950-2150
Input level	dBm	-65..-25
Input impedance	Ohm	75
Input return loss	dB	>10.0
Loop through frequency range	MHz	950-2150
Loop through output return loss	dB	> 8.0
Loop through gain	dB	0...+6
Loop through RF input isolation	dB	> 24.0
LNB control		
V/H programmable	V/mA	< 2.4
LO/HI programmable	kHz	10 ±1
DiSEqC level		1.1 (not yet implemented)
Power supply		
Voltage/current @ LNB supply OFF	V/mA	12 / 250 (typ)
Voltage/current @ LNB supply ON max	V/mA	12 / 550 (typ)
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
Output connector		F-connector
Power supply/control connector		Edge connector 2X18P
Weight	kg	0.080
Dimension (HxDxW)	mm	29 x 132 x 50
Remarks		
Configuration		Frequency, Polarity, Symbol rate, Update (search)

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.

220513-A