

# Product *Info*

- your ultimate connection

## TDX - DVB-S/S2 frontend module

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

The DVB-S/S2 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. Using your fingers, simply press the fastener downwards and then pull the module of the module slot.

### Features:

- Antenna loop through.
- Software downloading through TDX 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.
- Hot swap service in TDX system.
- All services will be transferred to the TDX pool.
- DiSEqC compliant (1.0)

### Technical data:

- see next page

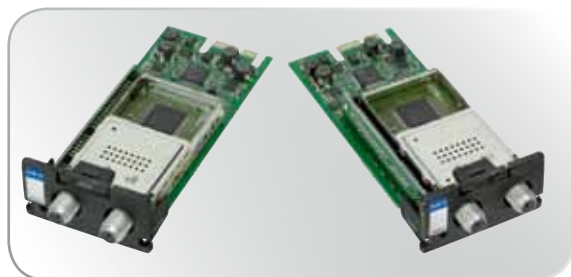


**DVB-S/S2 frontend module**



# TDX - DVB-S/S2 input module

- QPSK and 8PSK demodulator



## Technical data

| Product                             |      | DVB-S/S2 - QPSK and 8PSK<br>input demodulator     |
|-------------------------------------|------|---------------------------------------------------|
| Art. No.                            |      | 492020                                            |
| 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      | mm   | 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.



**TRIAX - your ultimate connection**

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