

# Challenge Series Satellite High Speed DVB-S2 Modem SK-TS



## CCM, VCM, ACM Functionality

The satellite high speed DVB-S2 modem provides a platform for modulation and demodulation according to the DVB-S and DVB-S2 standard. The modulator part accepts an MPEG transport stream on an ASI or SPI input from a video encoder or MPEG multiplexer and provides a modulated carrier anywhere between 50...180 MHz or at L-Band. The demodulator part accepts an IF input signal in between 50...180 MHz or at L-Band. The output MPEG transport stream is provided through 2 ASI interfaces or as Video over IP stream through a Gigabit-Ethernet interface.

The modem combines within one housing a DVB-S2 modulator similar to the type SDM2 and a DVB-S2 demodulator similar to type SDD3.

The technical parameters are similar to these units. For details please refer to the datasheets of the DVB-S2 modulator of the type SDM2 and the DVB-S2 demodulator of the type SDD3.

A Fan is included as standard.

### Order Information:

**SK TS-[Output Band]-[Output Imp]-[Input Band]-[Input Imp]-[Modulator Firmware Option]**

Examples:

- SK-TS-L-50-L-75-A2H
- SK-TS-L-50-V-75-P2N
- SK-TS-V-50-V-50-A2L

Modulator Firmware Option	Max Symbol Rate, Supported Modulation Types
- P2L	15 Msps, QPSK / 8PSK
- P2N	30 Msps, QPSK / 8PSK
- P2M	45 Msps, QPSK / 8PSK
- P2H	60 Msps, QPSK / 8PSK
- A2L	15 Msps, QPSK / 8PSK / 16APSK / 32APSK
- A2N	30 Msps, QPSK / 8PSK / 16APSK / 32APSK
- A2M	45 Msps, QPSK / 8PSK / 16APSK / 32APSK
- A2H	60 Msps, QPSK / 8PSK / 16APSK / 32APSK



Trade Mark of the DVB Digital Video Broadcasting Project