

DVB-S2/S Demodulator

OVERVIEW

- Conforms to the following standards:
ETSI EN 302-307-1 V1.4.1
Part I (DVB-S2)
ETSI EN 300-421 V1.1.2 (DVB-S)
- Broadcast services application
- Ultra-compact 48 pin QFN 6x6 package and pin-to-pin compatible with Availink's DTMB and multi-standards demodulators

FEATURES

DVB-S2

- MODCOD
normative and optional MODCODs of broadcast service profile in DVB-S2 standard
- Symbol rate
QPSK 1-60Msps
8PSK 1-60Msps
16APSK 1-58Msps
32APSK 1-55Msps
- Normal (64800 bits) FECFRAME supported
- CCM supported only
- Roll-off factors for pulse shaping: 0.05 to 0.35

DVB-S

- Symbol Rates: 1-54Msps
- Code Rates: 1/2, 2/3, 3/4, 5/6, 7/8

General

- Fast automatic blind scan
- DiSEqC™ 2.x interface supported
- Satellite zero IF input is supported
- I2C repeater to reduce tuner noise
- Flexible AGC and GPIO outputs for tuner and LNB controls
- Parallel and Serial (1bit and 2bits) MPEG transport stream output capability
- Supports a tri-state MPEG output interface
- SQL, SSI and BER/PER monitors

AVL6221C Block Diagram

