Tuners & Network Interface Module

NIM for ATSC & MMDS

DTF 868XX

DTF868XX is a NIM for ATSC and MMDS digital television applications. It can be used in digital 64/256 QAM and 8VSB reception. The NIM consists of a RF tuner, (down-converts RF TV signal to an IF frequency of 44MHz), an IF Stage (IF filters & variable gain amplifier that output a 1.0Vp-p IF signal to the demodulator) and a digital demodulator, which demodulates the QAM/ VSB IF signal to a base-band parallel and serial MPEG-2 transport stream output.

Key Features

- Receives and demodulates ATSC VSB & QAM signals
- Receiving frequency 54MHz to 864MHz
- 64/256 QAM & 8 VSB demodulator
- Serial & parallel transport streams
- Low power standby mode via I2C Bus
- 2 independent I2C addresses for multiple module application support
- Adaptive decision feedback equalizer with blind and trained modes
- 5-33V DC-DC converter
- ROHS compliant

DTF 86800

DTF 86810

DTF 8681X specific features

- 4 independent I2C addresses for multiple module application support
- Smart antenna interface for best indoor reception (CEA-909 Mode A compliant)
- Superior equalizer performance fulfilling NTIA requirement

Options

- Available in vertical & horizontal mounting
- Different connectors available

Dimensions (mm)

- DTF 8680X: 81 x 34 x 13
- DTF 8681X: 66 x 34 x 13

Product Range

- DTF 86800: Left hand mount, NIM for ATSC & MMDS applications
- DTF 86801: Left hand mount, NIM for MMDS applications
- DTF 86810: Left hand mount, NIM for ATSC VSB & QAM applications, smart antenna Interface

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