



DTD-1000 Demodulator Input Module

The DTD1000 input module tunes any 8VSB or QAM channel between 54 and 1002 MHz, making it ideal for digital channel processing applications where a single digital video signal is received, error-corrected, clocked (at a user determined fixed rate) and re-modulated on the same or another RF channel.

The DTD1000 may be used to convert one off-air ATSC 8VSB signal to a QAM output with rate adjustment or, when used in the processor mode with only one input, the MEQ1000 can process ATSC or CATV QAM MPEG-2 inputs.



Specifications

DTD1000	Input Module
Input Frequency Range:	54 to 1000 MHz
Channel Plans (Menu selectable):	Std. CATV, HRC, IRC, or Broadcast
Input Channel Bandwidth:	6 MHz
Input RF Level Range:	-33 dBmV to +35 dBmV, 8VSB -22 dBmV to +35 dBmV, 64 QAM -17 dBmV to +35 dBmV, 256QAM
Input Impedance:	75 Ohms
Input Return Loss:	> 6 dB, Broadcast mode >12 dB, CATV mode
Image rejection:	80 dB
Adjacent Channel Rejection:	40 dB
Noise Figure:	< 9 dB, Broadcast mode <12 dB, CATV mode
Demodulation Modes:	8VSB - ATSC 64QAM, 256QAM, - ITUB, CATV mode
Symbol Rates:	10.76 MS/s, 8VSB 5.057MS/s, 64QAM 5.3606MS/s, 256 QAM