MPD

ATSC/8VSB/QAM Demodulator

**Features**

- Frequency range 54 to 860MHz
- Decodes HD/SD ATSC/8VSB, and uncripted QAM 64 and 256 (ANNEX B) digital RF signals
- SAP (English, French, Spanish) and support closed caption (EIA-608)
- High-density design, up to 10 MPD modules in 2 RU
- Stereo output
- Front panel indicator LED to monitor input 8VSB or QAM signal lock
- Easily configured power controller allows individual channel mapping and automatic scanning of individual modules
- Convenient front panel channel selection for channel and demodulation mode settings
- Decodes all 18 ATSC video formats
- Supports IRC and HRC offsets
- One F-connector video output and two stereo RCA left and right audio outputs provided at the back of the unit
- Nonvolatile memory for easy channel recall in the event of power failure

**Specifications**

**INPUT - QAM**
- Mode: 64 & 256 QAM Annex B
- Data Rate: 26.9 Mbps QAM 64
- Frequency Range: 54 to 860MHz
- Channel Range: Ch. 2-135
- Input AGC Range: -35 to 30dBmV
- Impedance: 75Ω
- Input Connector: F-Female

**INPUT - 8VSB**
- Frequency Range: 54 to 806MHz
- Channel Range: VHF Ch. 2 - 13, UHF 14 - 69
- Data Rate: 19.4 Mbps
- Input AGC Range: -35 to 30dBmV
- Modulation: 8VSB
- Impedance: 75Ω
- Input Connector: F-Female

**OUTPUT - VIDEO NTSC**
- Frequency Range: DC to 4.2MHz
- Output Level: 1 V p-p
- Impedance: 75Ω
- Video Format: 480i NTSC
- Aspect Ratio: 4:3, 16:9 (PAN, SCAN)

**OUTPUT - ANALOG STEREO AUDIO**
- Audio Level: 1 V p-p
- Audio Control: Adjustable
- Frequency Range: DC to 19kHz
- Connectors: RCA, left and right

**GENERAL**
- DC Input Voltage: 5 and 12Vdc
- MPD Power: 5Vdc @ 300mA
- 12Vdc @ 200mA
- Dimensions: 1.025” (W) x 3.465” (H) x 8.70” (D)
- Weight: 0.8 lbs.

**MPD-CPS**
- Input: 100-240Vac, 50/60Hz, 2.0A max.
- Output: +5Vdc, 4.5A max.; +12Vdc, 3.0A max.
- Dimensions: 6.2” (W) x 9.05” (D) x 3.47” (H)
- Weight: 4 lbs.

**Ordering Information**
- MPD
- MPD-CPS
- MPC-12C
- MOR-CS

ATSC/8VSB/QAM Demodulator
Power Supply/Controller
Mini-Mod Chassis
Headend Cooling System

Specifications Subject To Change Without Notice  Rev 05-12
©Toner Cable Equipment, Inc.