TDT DVBS/S2 Twin Transmodulator
14MM-OH85H

Features and Benefits

- Transmodulation from 8PSK/QPSK to QAM, with the inclusion of CI interfaces for descrambling the unit can deliver services transparently or through PID filtering selected QAM services
- Twin DVBS/S2 to QAM 16~256 symbols
- Integrated Conditional Access interface for both channels
- Internal NIT generation available
- PID filtering available
- Input range 950~2150MHz DVBS/S2

Headend Equipment

Matchmaster has a full range of Headend Equipment from entry level to complex systems, including engineering support and system designs. Matchmaster can offer simple Channel Filters with AGC through to complex DVB modules for any type of broadcast including Encoders, Modulators & Transmodulators for DVB-T, DVB-C, DVB-S/S2, IP, ASI, SDI, FM and many more.

14MM-OH85H Specifications

Module	OH85H (SD/HD) Twin DVB-S/S2 – QAM transmodulator with CI
Input Frequency Range	950-2150MHz
Input Frequency Steps	1MHz
Input Level Range	47-80dBµV
AFC	±10MHz
Modulation Scheme	QPSK, 8PSK
Symbol Rate	1-45 MS/s
FEC inner code	LDPC (1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10)
Spectral Inversion	C-Band/KU-Band
Output Frequency Range	45-862MHz
Output Frequency Steps	500kHz
Output Stability	±30kHz
Output Channel Bandwidth	2 x 8 MHz
Output Level	82–103dBµV
Stability of Output Level	±1dB

Spurious Outside TV Channel	>50dB
SNR	≥45dB
MER	≥40dB
Modulation (COFDM)	16-, 32-, 64-, 128-, 256-QAM
Symbol Rate	3.45–6.9 MS/s
FEC Outer Code	RS (204,188,16)
Spectral Inversion	Normal/Inverted
Interleaving	Conv., I=12
Bit Stuffing	Yes
PCR Correction	Yes
Connectors RF	F-connector
Current Consumption	ca. 0.83 A / 12 V
Power Consumption	< 10W
LNB Power	12 V / 0.5 A max., DiSEqC 2.0
Operating temperature	- 20 °- + 55 °C

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