



HANDAN

HST-3000 TC

DIGITAL COFDM TO QAM TRANSMODULATOR WITH NIT CONVERTER

1. RF Input

1) Receiving frequency range	47 MHz ~ 862MHz
2) Input level	-72dBm ~ -20dBm
3) Step frequency	166.67KHz
4) Input connector	"F" female
5) Output connector	"F" female
6) input impedance	75 ohm
7) Loop-Through losses	<2 dB typ
8) 1'st IF frequency	36MHz
9) 2'nd IF frequency	4.57MHz
10) IF Bandwidth	8MHz

2. COFDM Demodulator

1) Data rate	31.67 Mbit/s Max
2) Carrier Mode	2K FFT, 8K FFT
3) Modulation	QPSK, 16QAM, 64QAM
4) Hierarchy Mode	No- Hierarchical, Hierarchical
5) FEC Convolutional code	Viterbi 1/2, 2/3, 3/4, 5/6, 7/8
6) FEC Block code	Reed Solomom (204,188)
7) Guard Interval	1/4, 1/8, 1/16, 1/32

3. QAM Modulator

1) Modulation format	16,32,64,128,256 QAM ;
2) Maximum Symbol rate	7.0Mbaud
3) Roll-off	12%, 15%, 18% (Programmable)
4) FEC Block code	RS (204,188)
5) Scrambling	DVB ETS300429
6) Interleaving	DVB ETS300429
7) Bandwidth	8MHz (Optional)
8) Spectrum inversion	Yes (Programmable)

4. RF Output

1) Frequency range	47 MHz to 862 MHz
2) Output level	70dBuV to 85dBuV typ
3) Variable output level	20 dB typ
4) Output loop losses	2.0 dB max (1.5dB typ)
5) Return losses	>12dB typ
6) Connector Type	"F" female
7) output impedance	75 ohm
8) C/N	> 46 dB min
9) Output spurious level	<-55dB typ

5. Power supply unit

1) Main AC voltage	90V~250V 60Hz/50Hz
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