CSE 2000 Generation 2

Twin modules SAT TV digital in acc. QAM DVB-S -> DVB-C

Type	CHD 2022 QN	CHD 2022 Q
Order number	940 012-101	940 166-101

QAM Twin

- *For processing analog SAT IF signals into analog output signals*
- *Output signal adjacent channel suitable*
- *Twin modules with 2 adjacent output channels*
- *All HF connectors are F sockets*

Technical data		
Implemented channels	2 (twin)	2 (twin)
Input frequency range	950-2150 MHz	950-2150 MHz
AFC	± 4 MHz	± 4 MHz
Input level	47 - 70 dBµV	47 - 70 dBµV
Modulation type	QPSK	QPSK
Symbol rate	2-35 MS/s	2-35 MS/s
Output frequency range	110-862 MHz	110-862 MHz
Modulation type	16-256 QAM	16-256 QAM
Symbol rates	7,0 MS/s max.	7,0 MS/s max.
Output level	90 dBµV	90 dBµV
Attenuators	0...20 dB	0...20 dB
Power consumption	11 W	11 W

CHD 2022 QN

Twin module with QAM modulator

- *Datastream processing (NIT) and stuffing possible*

CDH 2022 Q

Twin module with QAM modulator

Twin modules SAT TV digital in acc. QAM DVB-S /S2 in accordance with DVB-C

Type	CHE 2022 QN
Order number	940 223-101

HDTV

CHE 2022 QN

For converting QPSK and 8PSK modulated SAT IF signals into QAM modulated channels S02...K60

- *Datastream processing (NIT) and stuffing possible*
- *Particularly suited for HDTV*

Technical data	
Implemented channels	2 (twin)
Input frequency range	950-2150 MHz
AFC	± 4 MHz
Input level	47-70 dBµV
Modulation type	QPSK/8PSK
Symbol rate	1-45 MS/s (DVB-S) 10-31 (DVB-S2 QPSK) 10-30 (DVB-S2 8PSK)
Output frequency range	110-862 MHz
Modulation type	16-256 QAM
Symbol rates	7,0 MS/s max
Output level	90 dBµV
Attenuators	0...20 dB
Power consumption	11 W