



ETT-100

Channel Processor

Art.no: 108100.01

PRODUCT INFORMATION

ETT-100

The ETT-100 is a high quality professional Multisystem Channel Processor designed for use in any Cable TV or SMATV head end, which operates in the complete TV-frequency spectrum and performs a frequency shift from and to any frequency within this range. ETT-100 operates with PAL, COFDM and QAM signals.

Features:

- High quality professional channel processor
- For operation in SMATV and Cable TV head ends
- For analogue and digital channels
- Full range functionality from 47 to 860 MHz
- Channel transposition from and to all channels
- For all transmission standards
- Settings via PC or PALM PDA (RS-232)
- Low power consumption



DVB's main transmission standards, DVB-S for Satellite, DVB-C for Cable and DVB-T for terrestrial, dominate the world and are the basis for most of the alternative standards.

design for TV

TECHNICAL SPECIFICATION

(This specification may be subject to change without notice).

RF Parameters

Input/Output modes	PAL, COFDM, QAM (16, 32, 64)
RF Input	47 – 860 MHz
Input impedance	75 Ω
RF Output	47 – 860 MHz
Output impedance	75 Ω
Spurious Levels	47 – 862 MHz: ≥ 60 dB 862 MHz – 2.26 GHz: ≥ 45 dB
Input level (at 862MHz)	60-90 dBuV
Output level (at 862Mz)	Typical 110dBuV , min 108dBuV (analogue)
AGC (Aut. Gain Control)	Yes
Output attenuator range	0 to -31dB in 1dB steps
Output attenuator accuracy	$\pm 0.2 + 4\%$ of ATT. Setting
Output level flatness	47-862 (ref at 47MHz) 5 dB
Output level stability	0 to 50 $^{\circ}\text{C} \pm 1$ dB
Output return loss	>7 dB
Output frequency tolerance and stability	(0 to 50 $^{\circ}\text{C}$) ± 20 kHz
Minimum Channel spacing	8 MHz
Noise figure	Typical 9 dB
DVB-C/T MER degradation	Typical 2,5 dB
DVB-C mode	16, 32 or 64 QAM

Connectors and Interfaces

Control connector	9-pin male, D-sub
LED Indicator lights	Power, Error
RF input connector	F female, 75 Ω
RF output connector	F female, 75 Ω
Remote controls	Settings of Receiver frequency or Channel, Bandwidth, Type of modulation, Output frequency and Attenuation

Miscellaneous

Power supply	6 – 9 VDC
Power consumption	< 6 W
Dimensions	165x105x20 mm (excl. connectors)
Weight	Approx. 300 g
Controller	PC or Palm PDA (software included)
Operating temp.	0 to $+50^{\circ}\text{C}$

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