

# CIF 6000+ A/D / CIF 7000+ A/D

Channel to channel Converter with processing via IF. Allows to change frequencies, without modifying the content of the base band signal. Any channel can be programmed at the output with the UCF 100 External Control Unit. Adjacent input and output channel operation.

## APPLICATION

Analog Terrestrial TV installations.  
COFDM Digital Terrestrial TV community installations.

## CHARACTERISTICS

- The built-in AGC circuit keeps a stable output level.
- Enables the conversion of any input channel, in any output channel, eliminating the incompatibilities between channels.
- It allows output signal total disconnection.
- Incorporates a LED with input level information.
- It also offers the possibility of fine tuning the output channel frequency to disperse intermodulation products in installations with many channels.
- Screws and power supply cable included.



Supply voltage	Vdc	30	12	5
Current drawn (7,3 W)	mA	12	450	300
Operating temperature range		0 ÷ 50° C		

MODELO	CIF 6000+ A/D	CIF 7000+ A/D
Reference	06426	07426
Assembly system	Frame	19" Rack
Input/output connectors	F (f)	
Input frequency	MHz 47 ÷ 862	
Input fine tuning	MHz ± 4,5 (Δ = 125 KHz Analog; 166 KHz Digital)	
Input level	dBμV 65 ÷ 90 Analog; 55 ÷ 80 Digital	
AGC	dB >30	
C / N for 8 modules	56 (input >75 dBμV Analog)	46 (input >65 dBμV Digital)
Output level adjustable	dBμV 75 ÷ 90 Analog; 65 ÷ 80 Digital	
VSB output frequency	47 ÷ 862	
Phase noise	83 dBc / Hz @ 10 KHz 102 dBc / Hz @ 100 KHz	
Output fine tuning	MHz ± 4,5 (Δ = 125 KHz Analog; 166 KHz Digital)	
Spurious in band	dBc - 54	
Carrier accuracy	KHz ± 30	
Carrier stability	KHz ± 20	
Output level stability	dB ± 2	
Channel flatness	dB ± 1	
Image frequency rejection	dB 60	
Input channel rejection at output	dB 60	
Through losses at input	dB ± 1	
Through losses at output	dB 1,5 (47 ÷ 862)	
Adjacent channel rejection	dB >55	
Packing dimensions	mm 272 x 166 x 45	
Weight	Kg 1,7	