

Mast Channel Processor

MCP/UU



Agile RF converter to process analogue and digital terrestrial channels, able to move a channel from its original frequency to anywhere else in the UHF band (470-862MHz).

Input and output frequencies are set by means of a built-in dip-switch.

Due to the high SAW selectivity, it can also be used as a single channel filter.

Level adjustment through internal matched attenuator. Input to mix all other existing channels from a different aerial.

Main Specifications

- Dual conversion technology and SAW filter to distribute adjacent channels and avoid spurious signals in the band.
- Fully settable through Dip Switch
- Wide dynamic input range
- Input MIX to combine the output signal from another aerial
- High output level
- Impedance 75 Ohm

		MCP/UU
Fracarro Code		223366
Inputs	No	2
Input 1	Band	UHF
Input 2	Band	III + S + UHF
Output	No	III + S + UHF
INPUT 1 Conversion		
Input frequency	MHz	470 - 862
Channels	No	E21 – E69
Channel Selection		Dip-Switch
Frequency step	MHz	8
Max input RF level	dBuV	90
Gain	dB	15
Gain Adjustment	dB	20
Phase Noise	dBc/Hz	85 @ 10KHz
Maximum output level (IM3 -54dBc 2 tones)	dBuV	90
Maximum output level (IM3 -35dBc 2 tones)	dBuV	97
INPUT 2 MIX		
Bandwidth	MHz	47 – 862
Insertion loss	dB	-4
General Parameters		
Supply voltage	Vdc	12 (from output connector)

Current consumption	mA	170
Operating temperature	°C	-5 to +55
Compliant		EN50083-2: 2006-06

Fracarro Code	Item	Packaging	Quantity	Dimensions	Net weight	Total weight
			Pcs	mm	Kg	Kg
223366	MCP/UU	Single	1	142x70x130	0.40	0.43

Installation examples



