905 MODULAR AMPLIFICATION EQUIPMENT

WIDEBAND DTT CHANNEL PROCESSOR

Code : **9050174**

Model : **PC-526**

Description

Channel processor for the UHF and VHF bands, designed to work with adjacent digital and analogue channels. High selectivity and automatic gain control (AGC). Compatible B/G, I, D/K and L standards.

Applications

For use in MATV installations of digital and analogue terrestrial TV where adjacent digital or analogue channels exist with very different levels. By selecting the same input and output channel, the processor works as a filter with AGC, handling the channels independently and eliminating interference. In this way, a perfect equalisation is obtained of all the channels received. By selecting different input and output channels, the processor functions as a programmable digital or analogue channel converter.

Characteristics

Each module consists of an intermediate frequency converter, a double surface acoustic wave filter (SAW) and channel converter. Adjustable frequency for analogue channels in steps of 125KHz. Automatic gain control (AGC) of 40 dB. Permits a feed path to supply power to preamplifiers.

CODE		9050174	
MODEL		PC-526	
Connection		F female	
TV system		AM-TV / DVB-T/T2 / ATSC / ISDB-T / DTMB / DVB-C	
Input frequency range	MHz	44-862	
Output frequency range	MHz	44-862	
Bandwidth	MHz	7/8	
I/O frequency step	MHz	0,125	
I/O offset	MHz	0, ±1/6, ±1/8, 2/8, ±3/8, ±4/8	
Input level	dBµV	45..75 DTT	
		55..85 AM-TV	
Extended input level	dBµV	40..80 DTT	
		50..90 AM-TV	
Output level	dBµV	83±3,0	
Putput level stability	dB	±0,5	
Output level adjust	dB	25	
Automatic gain control	dB	>40	
Selectivity	dB	7MHz	< 3 fc ± 3,35 MHz < 6 fc ± 3,50 MHz > 30 fc ± 4,00 MHz > 60 fc ± 4,25 MHz
		8MHz	< 3 fc ± 3,85 MHz < 6 fc ± 4,00 MHz > 30 fc ± 4,45 MHz > 60 fc ± 4,70 MHz
Channel flatness	dB	±1	
Frequency stabilility	KHz	±20	
Multiplexing/Diplexing through loss	dB	0,8±0,2 / 0±0,2	
Noise figure	dB	6±0,5	

Spurious in band	dB	<58			
Return loss	dB	>14			
Phase Boise	dBc/Hz	80 @1KHz 84 @10KHz 99 @100KHz			
Equivalent noise degradation	dB	<1,0			
Output voltage	V	+24			
	mA	60			
Power supply	V	+3.3	+5.2	+12	+24
	mA	350	250	120	0+Preamp.
Operating T close to equipment	ºC	-10..+65			
Room T with/without fan	ºC	-10..+55/+45			
Protection index		IP 30			
Units per packing		1			
Packing weight	Kg	1.16			
Packing dimmensions	mm	265 x 165 x 40			