

HPH SERIES AGILE PROCESSORS

■ MODELS HPH-860 : HPH-860AD



MODEL HPH-860



MODEL HPH-860AD

■ FEATURES

- 60 dBmV Output
- Precise Signal Regulation
- Front Panel LED Channel Display
- Switching Power Supply
(Operates From 90 to 260 VAC)
- Dual Saw Filtering
- Adjacent Channel Performance

▼ CUSTOMER NOTES:

FREQUENCY AGILE PROCESSORS

The **HPH-860** frequency agile processors have been designed to convert any off-air or cable channel input to any cable channel. All channel conversions are performed using simple front panel buttons and a large LED display indicating input and output channels. Frequency control is accomplished by a microprocessor controlled, PLL synthesized tuning circuit to assure accurate, stable operation. The **HPH-860** uses SAW filtered conversions to assure high out-of-band rejection, as well as a high reliability CATV hybrid output amplifier for low distortion and high output performance.

The **HPH-860AD** heterodyne processor can be used to process digital off-air or cable channels while retaining the digital format.

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SPECIFICATIONS

INPUT SECTION	HPH-860	HPH-860AD
Input Channels	Ch. 1 - 125 CATV/HRC/IRC Ch. 1 - 69 UHF/VHF	Ch. 1 - 125 CATV/HRC/IRC Ch. 1 - 69 UHF/VHF
Selectivity	-60 dB (Adjacent Channel)	-60 dB (Adjacent Channel)
Noise Figure	6 dB: VHF / 7 dB: UHF Typical	6 dB: VHF / 7 dB: UHF Typical
Input Range	0 - 30 dB	0 - 30 dB Analog/ -32 - +4 Digital
Tuning	PLL	PLL
OUTPUT SECTION		
Output Channels	Ch. 1 - 125 CATV/HRC/IRC Ch. 1 - 78 UHF/VHF	Ch. 1 - 125 CATV/HRC/IRC Ch. 1 - 78 UHF/VHF
FCC Offsets	±12.5 / 25 kHz (Selectable)	±12.5 / 25 kHz (Selectable)
Output Levels	45 - 60 dBmV (Selectable)	45 - 60 dBmV (Selectable)
Frequency Stability	±5 kHz (Meets FCC Docket 21006)	±5 kHz (Meets FCC Docket 21006)
A/V Ratio	10 dB Adjustment	10 dB Adjustment
I.F. Output	35 dBmV @ 45 MHz	35 dBmV @ 45 MHz
Flatness	± 2 dB	± 2 dB
Spurious Outputs	-60 dB c	-60 dB c
Return Loss	12 dB	12 dB
C/N (In-Band)	-60 dB	-60 dB
Out-of-Band Noise	-60 dB c	-60 dB c
CONNECTIONS		
Input, Output, IF	F	F
GENERAL		
Power Requirements	117 VAC, 60 Hz, 20 W	117 VAC, 60 Hz, 20 W
Operating Temperature	0° to 50° Celsius	0° to 50° Celsius
Dimensions	19" x 1.75" x 12"	19" x 1.75" x 12"
Weight	9 lbs.	9 lbs.
Auxiliary Outlet	117 VAC, 600 W	117 VAC, 600 W
Test Port	-30 dB	-30 dB