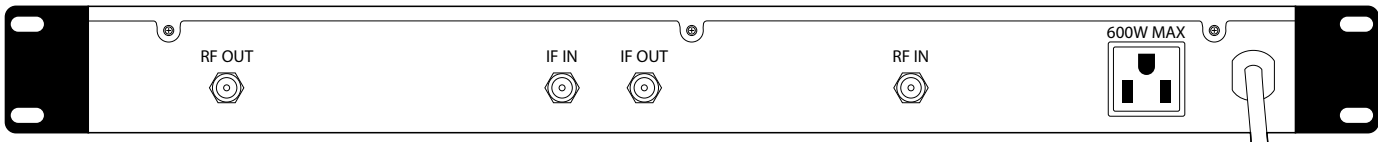


HPH SERIES AGILE PROCESSORS

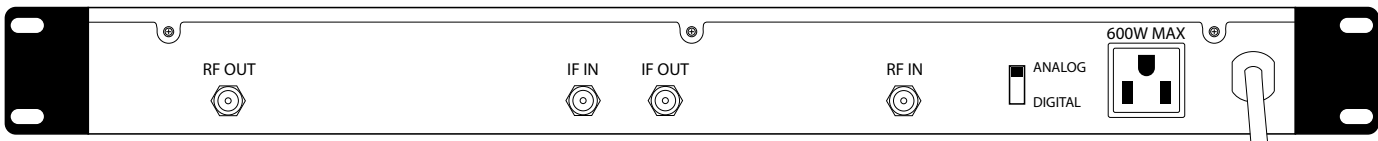
MODELS HPH-860 : HPH-860AD



MODEL HPH-860



MODEL HPH-860AD



FEATURES



- **60 dBmV Output**
- **Dual Saw Filtering**
- **Double Heterodyne Conversion**
- **Maintains Broadcast Stereo Format**
- **Precise Signal Regulation**
- **Front Panel LED Channel Display**
- **International Power Supply (90 - 260VAC)**
- **Adjacent Channel Performance**
- **Auxiliary AC Outlet**

FREQUENCY AGILE PROCESSORS

The **HPH Series** frequency agile processors have been designed to convert any off-air or cable channel to any unused 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 Series** uses dual SAW filtering to assure high out-of-band rejection, as well as high reliability. A CATV hybrid amplifier is used for low-distortion and high-output performance.

RELATED PRODUCTS

The **SHC** converter is ideal for use in head-end and local origination applications to convert the incoming sub-band (T7 - T13) to VHF (7 - 13).



MODEL SHC

The **HPH-860AD** digital processor utilizes sophisticated SAW filters and circuitry specifically designed to process digital signals in addition to analog, retaining the digital integrity of broadcast channels.

HPH SERIES AGILE PROCESSORS

SPECIFICATIONS

INPUT SECTION	HPH-860	HPH-860AD
Input Channels	2 - 125 CATV/HRC (54 - 806 MHz) 14 - 69 UHF (470 - 806 MHz)	2 - 125 CATV/HRC (54 - 806 MHz) 14 - 69 UHF (470 - 806 MHz)
Selectivity	-60 dB (Adj. Ch.)	-60 dB (Adj. Ch.)
Noise Figure	8 dB: CATV / 10 dB: UHF	8 dB: CATV / 10 dB: UHF
Input Range	0 - 30 dB	0 - 30 dB Analog / -32 to +4 dB Digital
Tuning	PLL	PLL
OUTPUT SECTION		
Output Channels	2 - 135 CATV/HRC (54 - 860 MHz) 14 - 69 UHF (470 - 806 MHz)	2 - 135 CATV/HRC (54 - 860 MHz) 14 - 69 UHF (470 - 806 MHz)
FCC Offsets (Where Applicable)	±12.5 kHz, ±25 kHz (Selectable)	±12.5 kHz, ±25 kHz (Selectable)
Output Level	45 - 60 dBmV (Adj.)	45 - 60 dBmV (Adj.)
Frequency Stability	±5 kHz (Meets FCC Docket 21006)	±5 kHz (Meets FCC Docket 21006)
Aural Carrier	0 - 10 dB (Adj.)	0 - 10 dB (Adj.)
I.F. Output	35 dBmV @ 45.75 MHz	35 dBmV @ 45.75 MHz
Frequency Response	± 2 dB	± 2 dB
Spurious Outputs	-60 dBc	-60 dBc
C/N (In-Band)	60 dB	60 dB
Out-of-Band Noise	-60 dBc	-60 dBc
Return Loss	12 dB	12 dB
CONNECTORS		
RF Input, RF Output, IF	F	F
GENERAL		
Power Requirements	90 - 260VAC (50 - 60 Hz), 20 W	90 - 260VAC (50 - 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	Yes	Yes
Test Port	-30 dB	-30 dB

NOTE: All specifications typical unless otherwise noted