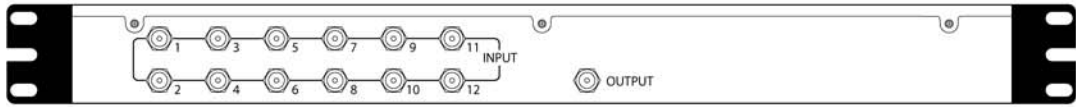


# HEAD-END COMBINERS

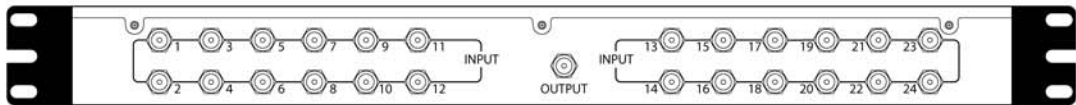
MODELS HCG-12 : HCG-24 : AHC-16-860



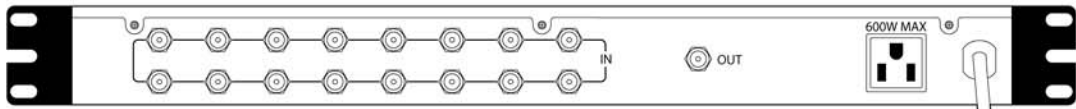
MODEL HCG-12



MODEL HCG-24



MODEL AHC-16-860



## FEATURES



- **High Isolation Design**
- **Consistent Port-to-Port Performance**
- **Front Panel Test Port**
- **Low-Distortion Hybrid Amplifier (AHC-16-860)**
- **HCG-12 & 24 can be used as splitters**
- **Auxiliary AC Outlet (AHC-16-860)**

### PASSIVE COMBINERS

The **HCG Series** (12-port / 24-port) passive head-end combiners are designed to combine multiple RF inputs into a single RF output while maintaining high isolation between ports. The HCG Series combiners operate at a full 1 GHz passband.

### ACTIVE COMBINER

The **AHC-16-860** is a high isolation 16 channel active head-end combiner utilizing an integrated CATV hybrid push-pull amplifier. The AHC-16-860 provides gain to overcome insertion loss and drive the distribution system. This combiner features a front-panel gain control and a -20 dB test port.

# HEAD-END COMBINERS

## SPECIFICATIONS

RF	HCG-12	HCG-24
Frequency	5 - 1000 MHz	5 - 1000 MHz
Insertion Loss (Max)	16 dB	20 dB
Port-to-Port Isolation	30 dB	35 dB
Input Return Loss (Min)	18 dB	22 dB
Output Return Loss (Min)	12 dB	12 dB
GENERAL		
Operating Temperature	0° to 50° Celsius	0° to 50° Celsius
Dimensions	19" x 1.75" x 3.5"	19" x 1.75" x 3.5"
Weight	4 lbs.	4 lbs.
Test Port	-20 dB	-20 dB

RF	AHC-16-860
Frequency	54 - 860 MHz
Gain	6 - 12 dB (Adj.)
Port-to-Port Isolation	40 dB
Input Return Loss (Min)	16 dB
Output Return Loss (Min)	14 dB
Maximum Input Level	58 dBmV (16 Ch.)
GENERAL	
Power Requirements	117VAC, 60 Hz, 12 W
Operating Temperature	0° to 50° Celsius
Dimensions	19" x 1.75" x 3"
Weight	4.5 lbs.
Test Port	-20 dB
Auxiliary Outlet	Yes

**NOTE: All specifications typical unless otherwise noted**