

# CHAS<sup>®</sup> HD

## High Density Headend Amplifier Platform



### Product Description

Modern small node HFC system designs segment and re-segment their subscriber base into highly targeted commercial zones. This results in a need for increased headend combining, amplification and isolation of a variety of signal packages that require an increasing number of Combining, Splitting, Insertion, Isolation and Distribution amplifiers in a limited amount of headend space.

The CHAS<sup>®</sup> HD high density platform series of economical amplifier modules for forward and reverse applications are ideal for use in modern headends where rack space is at a premium. These versatile amplifiers offer high performance, configurability, and efficient heat dissipation.

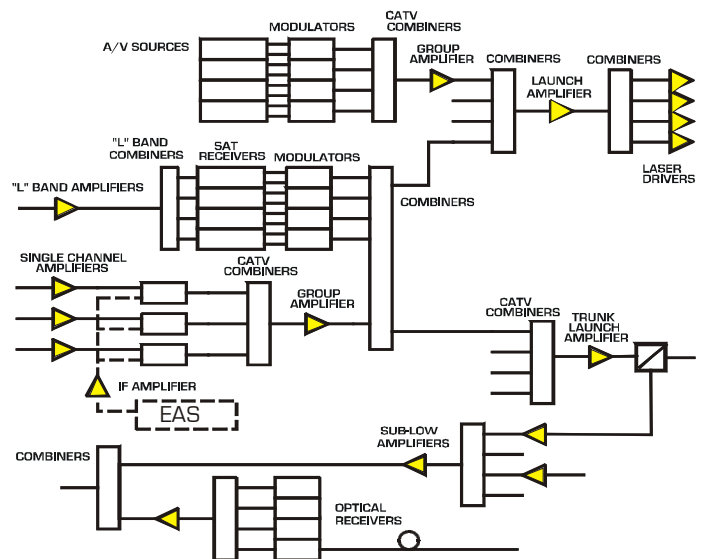
The highly flexible and configurable modular concept features a unique 12 bay chassis that mounts into standard 19" racking occupying only 5 Rack Units (8.75"), one of the most space efficient systems on the market today.

Automatic power source redundancy is incorporated in the chassis' dual power bus design which offers a variety of powering options including -48 VDC (30-85 VDC) and 85-264 VAC 50/60 Hz. Two built-in +24 VDC Auxiliary Input Panels enables the use of backup power and each chassis has two LEDs indicating the presence of one or two power supplies.

CHAS<sup>®</sup> HD amplifier modules can be ordered with optional status monitoring capability. The CHAS<sup>®</sup> HD Chassis includes a universal communications bus feeding module contact closure events to a front mounted connector array for connection to your NOC alarming system. Status monitoring equipped CHAS<sup>®</sup> HD amplifier modules are capable of monitoring temperature, current and voltage.

### Applications

- Narrowcast Insertion/Isolation Amplifier
- Wideband Insertion/Isolation Amplifier
- Return Amplifier
- Reverse Isolation/Active Splitter



### Product Features

- 5 RU rack mount chassis system holds up to twelve amplifier modules.
- -48VDC option and Redundant Powering with automatic switching.
- Bandwidths from 5 MHz to 1 GHz.
- Easy access to Slope and Gain controls and -20 dB Test Point.
- Power and Alarm status LED indicators.
- Status monitoring capable modules.

## Product Specifications

Product specifications are available for all the amplifier modules listed on on the Order Information list.

## Powering Options

Amplifiers may be powered from chassis mounted Power Modules or from a separate master supply. Each chassis will accept multiple (redundant) Power Modules which are available in the following voltage input ranges:

- 100 - 240VAC for North American and European Mains Operation
- 48VDC for TELCO operation

**When any two or more power sources are connected or installed in a chassis, they automatically operate in a redundant mode.**

## Order Information

PRODUCT MODEL	ORDER NUMBER
CHAS-HD-C 12 MODULE CHASSIS	824-702-100-OCE
CHAS-HD-PM 100-240VAC MAINS PWRSPPLY	824-704-150-OCE
CHAS-HD-PD -48VDC POWER SUPPLY	824-702-151-OCE
CHAS-HD-NI SGLHYB 870 PP 15DB AMP-A	824-702-200-OCE
CHAS-HD-NI SGLHYB 870 PP 19DB AMP-A	824-705-201-OCE
CHAS-HD-WI SGLHYB 870 PP 0DB AMP-A	824-702-202-OCE
CHAS-HD-EI SGLHYB 870 PP 12DB AMP-A	824-702-204-OCE
CHAS-HD-NI SGLHYB 870 PP 14DB AMP-A	824-702-206-OCE
CHAS-HD-R SGLHYB 200MHZ PP23DB AMP-A	824-702-300-OCE
CHAS-HD-R SGLHYB 50MHZ PP23DB AMP -A	824-702-302-OCE
CHAS-HD-RD XTR 200 ODB REV SPLTR-A	824-702-310-OCE
CHAS-HD-RD XTR 50MHZ ODB REV SPLTR-A	824-702-312-OCE



**CableServ Inc.**  
949 Kamato Rd  
Mississauga, Ontario, Canada L4W  
2R5 Telephone: (905) 629-1111  
Fax: (905) 629-1115  
E-mail to: [inquiries@cableserv.com](mailto:inquiries@cableserv.com)

Visit us at [www.cableserv.com](http://www.cableserv.com)