CHAS2 Amplifier & Power Supply Modules

CHAS²
HEADEND AMPLIFIER SYSTEM

Product Description

At the heart of the CHAS[2] Headend Amplifier System is the CHAS[2] Headend Amplifier Module.

The amplifiers feature separate RF and DC compartments for maximum EMI shielding, as well as large vertical fins that dissipate heat efficiently, eliminating the need for cooling fans.

All amplifiers are 1 GHz and have four (4) ports: signal input, signal output, input test and output test point[1]. They feature continuous Slope and Gain controls and allow adjustments without service interruption. All modules are hot swappable and available in a variety of gains and configurations, allowing System Engineers to design solutions to fit any headend or hubsite.

All amplifiers have a built-in signal level alarm and threshold levels can easily be set by a continuous control located on the face of the module. In the event RF levels deviate from preset levels, a flashing LED is activated. The additional CHAS[2] monitoring option allows remote monitoring of the amplifier including temperature, voltage, current and RF level[2]. The CHAS[2] Chassis accepts any CHAS[2] AC Mains or -48 VDC Power Supply in any slot. A single power supply will power a full chassis. Adding a second AC or DC power supply will allow for power redundancy. The CHAS[2] Chassis may also be powered directly from any +24 VDC source[3].

1 Narrowcast amplifier models have an inject port in place of the input test point.
2 See CHAS[2] Status Monitoring for more.
3 Any two power sources function automatically in redundant mode

Product Features

· **Excellent heat dissipation without fans**
· **Continuous Gain and Slope Control adjustable without signal interruption**
· **Hot swappable**
· **RF Signal Level Alarm with Threshold Adjustment**
· **Input Test Point OR Narrowcast Injection Port**
· **Power redundancy with any two power sources.**
· **5-1002 MHz bandwidth**
· **-20 dB Output Test Point**
· **Full 24 Month Limited Warranty**

Ordering Information

PART #	PART DESCRIPTION	MODEL
824-707-116-0CE	CHAS 2 1003MHz 16dB AMP MODULE	CHAS 2 1003 416
824-707-120-0CE	CHAS 2 1003MHz 20dB AMP MODULE	CHAS 2 1003 420
824-707-228-0CE	CHAS 2 1003MHz 28dB AMP MODULE	CHAS 2 1003 428
824-707-232-0CE	CHAS 2 1003MHz 32dB AMP MODULE	CHAS 2 1003 432
824-707-236-0CE	CHAS 2 1003MHz 36dB AMP MODULE	CHAS 2 1003 436
824-707-016-0CE	CHAS 2 1003MHz 16dB NI AMP MODULE	CHAS 2 1003 416 NI
824-707-020-0CE	CHAS 2 1003MHz 20dB NI AMP MODULE	CHAS 2 1003 420 NI
824-707-423-0CE	CHAS 2 200MHz 22dB AMP MODULE	CHAS 2 200 222
824-707-528-0CE	CHAS 2 50MHz 28dB AMP MODULE	CHAS 2 050 228
824-707-600-0CE	CHAS 2 DUAL SENSE A/B SWITCH	CHAS 2 A/B SWITCH
824-707-602-0CE	CHAS 2 MONITORING CARD SLAVE	CHAS 2 CARD SLV
824-707-601-0CE	CHAS 2 MONITORING CARD MASTER	CHAS 2 CARD MSTR
824-707-700-0CE	CHAS 2 POWER SUPPLY 85-260VAC MAINS	CHAS 2 PS AC MAINS
824-707-701-0CE	CHAS 2 -48VDC POWER SUPPLY	CHAS 2 PS -48VDC
824-707-800-0CE	CHAS 2 8 MODULE CHASSIS	CHAS 2 CHASSIS
824-707-802-0CE	CHAS 2 8 MODULE CHASSIS W/DC INPUT	CHAS 2 CHASSIS DCP
824-707-801-0CE	CHAS 2 8 MODULE CHASSIS CNTCT CLSR	CHAS 2 CHASSIS CC
824-707-804-0CE	CHAS 2 8 MODULE CHASSIS WEB MONITOR	CHAS 2 CHASSIS WEB

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