

## High-Performance CATV Home Amplifier

REMOTELY POWERED, RUGGED AMPLIFIER THAT POWERS UP TO 8 ADDITIONAL OUTLETS

### Description:

The HCDA Series is the top of the line CATV drop/subscriber amplifier. The HCDA amplifiers are unsurpassed in environmental ruggedness with sealed "F" ports, powder coated paint, and a RFI hermetically sealed back plate. This amplifier comes in one, two and four output port models, with active or passive return. The HCDA-1FRA is the same quality drop amplifier as the rest of the HCDA Series, with the addition of reverse amplification to overcome return path loss. The HCDA-1RA provides amplification to the return path only, forward path passive.



**Model HCDA-1**

### Features:

- 1 GHz Bandwidth
- Hermetically Sealed Case & Ports
- Low Noise Figure: 3 dB
- High Return Input Capability
- Direct or Line Powering Capability
- High Return Loss
- Surge Protected (IEE C62.41-1991, All Ports)
- 130 dB RFI Shielding
- LED Power Indicator

FORWARD PATH		
Frequency	54-1000 MHz	
Gain (+/- 1 dB)	HCDA-1	15 dB
	HCDA-2	11 dB
	HCDA-4	7.5 dB
Flatness	± .5 dB	
Maximum Output (157 Ch)	44 dBmV	
Cross Mod	-75 dB	
CSO	-62 dB	
CTB	-75 dB	
Noise Figure (+/- .5dB)	3 dB	
Return Loss (In/Out)	20 dB	
RFI \ Shielding Effectiveness	110 dB	

REVERSE PATH		
Frequency	5-42 MHz	
Gain	-1 dB	
Flatness	±.5 dB	
Noise Figure (+/- .5dB)	N/A	

GENERAL		
Power Supply (Included)	12 VDC @ 200 mA	
Power Inserter (Optional)	HRPI	
Operating Temperature	-40° to +60° Celsius	
Size	5" x 2.75" x 1"	
Weight	1 lbs.	
Connectors	F-Type	