



15dB Amplifier for Standard & Wide Band

CVT-15WB/ C-0317

Channel Vision's Multimedia Cable Amplifier takes the guesswork out of selecting an amplifier. Built for today and the future, this amplifier is compatible with the widest range of cable systems. Use with standard cable boxes, digital cable boxes, and new multimedia cable requiring wider bandwidths, including advanced fiber optic networks. Designed for standard and advanced digital CATV systems, allowing for 2-way communication in the RF spectrum from 5-42MHz and 975-1525MHz, along with standard cable TV specifications.

Features

HDTV high definition digital amplifier
15dB power injected inline amplifier
6KV IEEE surger protection for superior durability
Lowest noise figure (3dB)
Wide band amplification 5-1525MHz
Bi-directional return path 5-42MHz
Cable TV band 54-1525MHz



CVT-15WB



C-0317

Specifications (typical at 25° C)*

		MIN	TYPE	MAX		MIN	TYPE	MAX
	CATV FORWARD PATH				CATV RETURN PATH			
Frequency Range	54-1525MHz				5-42 + 975-1525MHz			
Gain	54-600MHz	+14.0dB	+15.0dB	+16.0dB	5-42MHz	-3.0dB	-2.0dB	-1.0dB
	60-860MHz	+14.0dB	+15.5dB	+16.0dB	975-1000MHz	-5.0dB	-4.0dB	-3.0dB
	975-1525MHz	-4.0dB	-2.5dB	-1.5dB	1000-1525MHz	-3.5dB	-2.5dB	-1.5dB
Flatness	±1.0dB				±1.0dB			
Return Loss	>15db				>15db			
Noise Figure @70° F	3.0dB							
Group Delay	54 to 66MHz	60ns						
	66 to 88MHz	22ns						
	88 to 1000MHz	12ns						
Composite Second Order Distortions	60dBC							
Composite Triple Beat Distortions	60dBC							
Cross Modulation Distortions	60dBC							
Second Hum Modulation	70dBC							
Rated Output Level	@160 channels, 6MHz each	+23.0dBmV						
Power Consumption	150mA							



Channel Vision Central
Structured Wiring



Channel Vision
IR & Audio Equipment



ARIA™
Multi-Room Audio



Channel Vision Technology
Modulators, Cameras, Intercoms