



## 15dB Amplifier for Standard & Wide Band

### CVT-15WB

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, and new multimedia cable requiring wider bandwidths, including advances 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 ammplification 5-1525MHz
Cable TV band 54-1525MHz
Bi-directional return path 5-42MHz



CVT-15WB

### Specifications (typical at 25° C)\*

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



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