

CTA-50-550

CATV Distribution Amplifier



The CTA-50-550 is a professional quality broadband launch amplifier designed to produce clean signals for a commercial grade CATV network. Employing a push/pull design, the CTA-50-550 produces high output levels with extremely low distortion and harmonic content. As a broadband amplifier with a frequency range of (54-550)MHz, the CTA-50-550 supports CATV channels (2-78), with forward path amplification only.

- Frequency Range: 54-550 MHz
- Gain: +50 dB
- Adjustable Range: 0-18 dB variable
- Slope: 0-18 dB variable
- Power Input: 117 VAC, 60 Hz

Specifications	
RF	
Bandwidth	54-550 MHz
Gain	50 dB
Gain Adjust Range	0-18 dB variable
Slope Adjust Range	0-18 dB variable
Flatness	± 0.5 dB per Channel
Noise Figure	7 dB
Maximum Output	45 dBmV for 54 Channels
Cross Modulation	-57 dB
Second Order Beats	-70 dB
Composite Triple Beat	-61 dB
Return Loss In	13 dB
Return Loss Out	15 dB
Test Ports	-20dB

Specifications	
General	
Power Requirements	117 VAC, 60 Hz
Operating Temperature	32-122°F (32-122°C)
Connectors	All "F" Type
Mechanical	
Dimensions	8" x 5.35" x 2.03" (203.2 x 135.9 x 51.6 mm)
Weight	3.19 lbs. (1.45 kg)
Warranty	2 Years Limited