

(front view)



CA-30/550

550 MHz Push-Pull Distribution Amplifier

The CA-30/550 is a high quality push-pull, wall mounted distribution amplifier that produces signals with extremely low noise and harmonic distortion. This amplifier is capable of 82-channel operation over the 54 MHz to 550 MHz range, and makes an excellent distribution system amplifier in MDU, CATV, and SMATV systems. Because of its extremely low noise figure and low distortion, the CA-30/550 is ideally suited for use in larger networks where amplifier cascading is required. In expanding bi-directional broadband systems, ATX's PIDA series bi-directional amplifiers should be used.

Specifications

CA-30/550

BANDWIDTH	54-550 MHz
GAIN (Fwd)	30 dB
MAX. OUTPUT (82 Ch.)	43 dBmV
FLATNESS	0.5 dB
NOISE FIGURE (Fwd)	4.5 dB
COMPOSITE SECOND ORDER (Fwd)	70 dB
COMPOSITE TRIPLE BEAT (Fwd)	61 dB
INPUT TEST POINT LOSS	20 dB
POWER INPUT	115 VDC
POWER REQUIRED	4W
DIMENSIONS	4.5"H x 8.0"W x 2.75"D (11.43H x 20.32W x 6.99D cm)
WEIGHT	2.3 lbs (1.04 kg)

Features

- 30 dB gain for optimal carrier-to-noise ratio and superior picture quality
- Employs state-of-the art hybrid push-pull technology for distortion-free audio and video quality
- Adjustable slope and gain controls for easy system balancing
- Easy-access controls and low loss (-20 dB) test point enable simplified set-up and performance monitoring
- Shielded enclosure provides over 95 dB of RFI shielding performance, reducing leakage and ingress
- Built-in lightning and line voltage surge protection protects the unit from damage

TOTAL # OF CHANNELS	INPUT LEVEL (dBmV)	OUTPUT LEVEL (dBmV)
12	23	53
24	20	50
36	19	49
48	17	47
72	16	46
96	14	44
144	13	43
158	12	42

Ordering Information

Part Number	Description
CA-30/550	550 MHz Push-Pull Distribution Amplifier

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