



CA-30/870AR
(front view)

CA-30/870AR

870 MHz Bi-Directional CATV Distribution Amplifier

The CA-30/870AR distribution amplifier is a high quality push-pull amplifier that produces signals with extremely low distortion and harmonic content. The forward bandwidth makes 135-channel operation possible, while the 2-way configuration allows the amplifier to be used in systems that utilize remote signal sources on the return path.

Specifications

CA-30/870AR

FREQUENCY RANGE	
FORWARD PATH	54-870 MHz
RETURN PATH	5-42 MHz
FORWARD PATH	
GAIN	30 dB
FLATNESS	± 1.0 dB, 54-870 MHz
GAIN CONTROL RANGE	10 dB
TILT CONTROL RANGE	10 dB
NOISE FIGURE	6 dB, 54-550 MHz 4 dB, 550-870 MHz
RETURN LOSS	-14 dB, 54-550 MHz -12 dB, 550-870 MHz
GENERAL	
DIMENSIONS	4.5"H x 9.0"W x 1.87"D (11.43H x 22.86W x 4.75D cm)
WEIGHT	2.5 lbs (1.13 kg)
RETURN PATH	
GAIN	20 dB
FLATNESS	± 0.5 dB
GAIN CONTROL RANGE	10 dB

Features

- Forward path: 54 MHz to 870 MHz, channels: 2 to 135; Reverse path: 5 MHz to 42 MHz, channels T-8 to T-12
- 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

RETURN PATH (cont'd)	
RETURN LOSS	-15 dB
INPUT LEVEL	115 dBµV @ 36 MHz
POWER ADAPTOR	
INPUT	100 VAC to -240 VAC, 50/60 Hz
OUTPUT	24 VDC, 1A
CONNECTORS	
INPUT/OUTPUT	F-Type Female
POWER	1.3 mm DC Power Jack

Ordering Information

Part Number	Description
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Rev. 08/18 (ANW1302)



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