



CA-30/870AR

870 MHz Bi-Directional CATV Distribution Amplifier

Description

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 two-way configuration allows the amplifier to be used in systems that utilize remote signal sources on the return path.



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 setup 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

Specification

Frequency Range		Return Path	
Forward Path	54 MHz to 870 MHz	Gain	20 dB
Return Path	5 MHz to 42 MHz	Flatness	± 0.5 dB
Forward Path		Gain Control Range	10 dB
Gain	30 dB	Return Loss	- 15 dB
Flatness	± 1.0 dB, 54 MHz to 870 MHz	Input Level	115 dBμV @ 36 MHz
Gain Control Range	10 dB	Power Adaptor	
Tilt Control Range	10 dB	Input	100 Vac to -240Vac, 50/60 Hz
Noise Figure	6 dB, 54 MHz to 550 MHz 4 dB, 550 MHz to 870 MHz	Output	24 VDC, 1 A
Return Loss	- 14 dB, 54 MHz to 550 MHz - 12 dB, 550 MHz to 870 MHz	Connectors	
General		Input/Output	"F" type female
Dimensions	9" (L) x 4.5" (D) x 1.87" (H)	Power	1.3 mm DC power jack
Weight	2.5 lbs.		

Ordering Information

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Specifications Subject To Change Without Notice

Rev 04-17

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