



Distribution Amplifier

PRODUCT SPECIFICATIONS

FEATURES:



- Broadband 40-860MHz frequency range
- 40dB gain for optimal carrier-to-noise ratio and superior picture quality
- ± 1.0 dB flatness across band provides low distortion and excellent frequency response
- Employs hybrid push-pull module design for distortion-free audio-video quality
- Built in adjustable slope and gain controls for easy system balancing
- Easy-access controls with a (-20dB) test point enables simplified setup and performance monitoring
- Shielded enclosure provides RFI shielding performance to reduce leakage and ingress
- Aluminum chassis provides maximum heat dissipation for improved reliability and corrosion resistance

MCA-40860	
Bandwidth	40-860MHz
Forward Gain	40dB
Maximum Output @ 135 Channel Loading	50dBmV
Gain Adjust Range	0-20dB
Slope Adjust Range	0-20dB
Flatness	± 1 dB
Noise Figure	6dB
Connectors	F-Type Female
CSO (Composite Second Order)	56dB
CTB (Composite Triple Beat)	56dB
Return Loss In	<12dB
Return Loss Out	<12dB
Test Points	-20dB
Power Input	110VAC, 60Hz, 8W
Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
Dimensions	23cm x 7cm x 12cm (9" x 3" x 5")
Weight	1.1kg (2.5lbs)

DESCRIPTION

The MCA-40860 is a superior quality push-pull wall-mounted distribution amplifier producing signals with low-noise and harmonic distortion. MCA-40860 serves as an ideal distribution system amplifier for heavily loaded MDU (multi-dwelling units, i.e. apartment complexes), commercial areas, educational institutions, hotels, and broadband CATV or SMATV systems.

The distribution amplifier is capable of broadband 135-channel operation over the 40-860MHz range.

The MCA-40860 is housed in a compact, aluminum chassis that provides excellent heat dissipation and allows the amplifier to be operated at high ambient temperatures with no degradation of performance or reliability.

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