



# Single-Band Amplifiers & Pre-Amplifiers

## 10dB Basic VHF-Band Amplifier

## MCM-101

Cost-Effective Basic VHF Amplifier – 41 CATV Channel Range (54-300MHz) suitable for home signal distribution – Heavy Gauge Rugged Shielded Wall-Mount Case – Convenient and compact design allows quick and easy installation – Maximum Input 36dBmV (7 non-adjust channels), 24dBmV (36 non-adjust channels) – Gain 10dB (54-450MHz) – Flatness  $\pm 1$ dB – Noise Figure 4dB – 117VAC 60Hz 2W Power Source – Weight 2.1 lbs.



### Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level
7	36 dBmV	46 dBmV
36	24 dBmV	34 dBmV

## 31dB Adjustable VHF-Band Distribution Amplifier

## MCM-30

Cost-Effective VHF Amplifier – 13 Off-Air Channel Range (54-216MHz) suitable for small to large MATV-SMATV systems – Very Low-Noise and Distortion – 15dB Independently adjustable VHF High-Low Band-gain controls for optimal carrier-to-noise ratio and balancing – Dual -20dB FM trap switches (88-96MHz, 95-108MHz) effectively filter high level local FM radio stations reducing harmonic distortion – Heavy Gauge Rugged Shielded Wall-Mount Case – Convenient and compact design allows quick and easy installation – Front Panel LED Power Indicator and Fuse Holder – -20dB Monitor Output Test Point Gain 31dB (54-216MHz) – Noise Figure 5 dB/VHF – Flatness  $\pm 0.5$ dB – 117VAC 60Hz 7W Power Source – UL Approved – Weight 2.1 lbs.



### Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level
7	20 dBmV	52 dBmV
12	11 dBmV	43 dBmV

## 20dB Adjustable-Slope Basic VHF-Band Pre-Amplifier

## MCM-201T

Cost-effective basic VHF pre-amplifier designed for indoor amplification of VHF antenna signals prior to signal separation and balancing – 41 CATV Channel Range (54-300MHz) suitable for home signal distribution – 10dB Adjustable Tilt-Level Control – Heavy Gauge Rugged Shielded Wall-Mount Case – Convenient and compact design allows quick and easy installation – Maximum Input 20dBmV (7 channels), 11dBmV (36 channels) – Gain 20dB (54-450MHz) – Flatness  $\pm 1$ dB – Noise Figure 4dB – 117VAC 60Hz 2.5W Power Source – Weight 2.1 lbs.



### Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level
7	20 dBmV	40 dBmV
12	18 dBmV	38 dBmV
24	14 dBmV	34 dBmV
36	11 dBmV	31 dBmV
54	6 dBmV	26 dBmV

## 15-17dB Sloped UHF-VHF-FM Mast-Mounted Pre-Amplifier

## MPA-25

Cost-Effective Mast-Mounted Pre-Amplifier – 68 Off-Air Channel Range (54-806MHz) suitable for small to large MATV-SMATV systems – 2dB sloped-output across band provides low harmonic distortion – 300-Ohm Input – Selectable 75 or 300-Ohm Outputs – -20dB FM trap switches (88-96MHz, 95-108MHz) effectively filter high level local FM radio stations reducing harmonic distortion – 6kV Lighting Surge Protected – Weather-Protected Connections – Maximum Input 30dBmV/VHF, 25dBmV/UHF – Gain 15-17dB (54-890MHz) – Noise Figure 4 dB/VHF, 5dB/UHF – Flatness 2dB  $\pm 1$ dB – Mounting Hardware Included – External 117VAC 60Hz 5W Power Source – UL Approved



### Channel Loading Specifications

Total # of Channels	Max. Input Level	Max. Output Level
7	22 dBmV	47 dBmV
15	7 dBmV	32 dBmV