

MVB & MUVB Series

Masterline® MATV Distribution Amplifiers



MUVB -35



MUVB -45



MUVB -56



MVB-56



MVB-62

The Masterline® Series of distribution amplifiers are designed for MATV off-air applications. These amplifiers are used for off-air VHF, FM and UHF applications, providing high output and low noise amplification. The Masterline® Series products are available with a choice of gain levels, bandwidths, and features to fit almost any system, i.e. number of outlets serviced by the system, the array of off-air channels present, and the signal strength of those signals. These amplifiers are available with a variety of features on selected models, including automatic level control, separate antenna inputs for specific TV bands and FM traps (stop filters). The Masterline® Series uses split band amplification, combined with low noise input circuitry, to provide a wide dynamic range and exceptional output capability. All of the Masterline® Series products are UL and CSA listed and have power supply, lightning and surge protection, thereby providing years of trouble-free service.

○ Features & Benefits

- VHF and UHF/VHF Models
- High Output Capability
- Models with Switchable FM Traps for Strong Local FM Signals
- AC Convenience Outlet Provided on Most Models
- Lightning and Surge Protected
- UL and CSA Listed

○ Specifications

RF	MUVB-35	MUVB -45	MVB-56	MUVB-56	MVB-62
Frequency Range (MHz)					
VHF LB (2-6):	54-88	54-88	54-88	54-88	54-88
FM:	88-108	88-108	88-108	88-108	88-108
VHF HB (7-13):	174-216	174-216	174-216	174-216	174-216
UHF (14-69):	470-890	470-890	-	470-890	-
Flatness (dB)					
VHF LB (2-6) & FM:	±0.05	±0.05	±0.50	±0.50	±0.50
VHF HB (7-13):	±0.75	±0.75	±0.75	±0.75	±0.75
UHF (14-69):	±1.5	±1.5	-	±1.5	-
Input Level - Minimum (dBmV) (a)					
VHF LB (2-6) & FM:	-7.0	-6.0	-6.5	-6.0	-7.6
VHF HB (7-13):	-6.0	-5.5	-6.7	-5.5	-6.8
UHF (14-69):	-6.8	-8.0	-	-8.0	-
Gain (dB)					
VHF LB (2-6) & FM:	36	45	47	47	55
VHF HB (7-13):	35	43	47	46	55
UHF (14-69):	37	43	-	45	-
Noise Figure (dB)					
VHF LB (2-6) & FM:	6.0	7.0	5.5	6.0	6.5
VHF HB (7-13):	7.0	7.5	6.5	7.0	6.5
UHF (14-69):	6.2	5.0	-	6.2	-
Output Level - Max (dBmV) (b)					
VHF LB (2-6):	+49	+54	+56	+56	+63
VHF HB (7-13):	+49	+54	+56	+56	+63
UHF (14-69):	+49	+52	-	+56	-
Gain Control Range (dB)					
All Bands:	18	18	18	18	18
Impedance - All Ports (Ohm):	75	75	75	75	75

Power Requirements

Voltage (VAC):	117, ±10%	117, ±10%	117, ±10%	117, ±10%	117, ±10%
Frequency (Hz):	60	60	60	60	60
AC Convenience Outlet:	NA	YES	YES	YES	YES
Temperature Range (°C):	0 to +50	0 to +50	0 to +50	0 to +50	0 to +50

Order From:



Toll Free: 800-423-2594
 www.multicominc.com
 multicom@multicominc.com

MVB & MUVB Series

Masterline® MATV Distribution Amplifiers

○ Specifications - continued

Mechanical	MUVB-35	MUVB-45	MVB-56	MUVB-56	MVB-62
Dimensions (LxWxD): (in.) (mm)	11.88x5.22x1.75 302x133x44	19x5.22x2.56 483x133x65	19x3.47x2.63 483x88x67	19x5.22x2.63 483x133x67	19x5.22x2.63 483x133x67
Weight: (lbs) (kg)	3.25 1.48	7.00 3.18	7.00 3.18	7.00 3.18	7.00 3.18
Controls (Top Panel)					
Gain					
LB VHF/FM/MB VHF:	Control	Control	Control	Control	Control
HB VHF:	Control	Control	Control	Control	Control
UHF:	Control	Control	-	Control	-
FM Trap IN/OUT:	Slide Switch	Slide Switch	Slide Switch	Slide Switch	Slide Switch
Separate/Combined LB/HB VHF:	-	Slide Switch	-	-	Slide Switch
Separate/Combined U/V:	Slide Switch	Slide Switch	-	Slide Switch	-
Automatic Level Control (ALC)					
LB VHF/FM/MB VHF:	-	-	-	Slide Switch	Slide Switch
HB VHF:	-	-	-	Slide Switch	Slide Switch
Combined VHF:	-	-	Slide Switch	-	-
UHF:	-	-	-	Slide Switch	-
UHF Tilt:	-	-	-	Slide Switch	-
Indicators					
Power ON:	-	Neon Bulb	Neon Bulb	Neon Bulb	Neon Bulb
Connectors (Top Panel)					
LB VHF/FM VHF Input:	-	-	Type "F", female	Type "F", female	Type "F", female
HB VHF Input:	-	-	Type "F", female	Type "F", female	Type "F", female
Combined VHF Input:	-	-	Type "F", female	Type "F", female	Type "F", female
Combined VHF/UHF Input:	Type "F", female	Type "F", female	-	Type "F", female	-
RF Output:	Type "F", female	Type "F", female	Type "F", female	Type "F", female	Type "F", female

Notes

(a) For TASO Grade 1 picture (*46dB CNR).

(b) Channel loading: 3 channels LB, 4 channel HB, 3 Channels UHF.

○ Ordering Information

Model	Stock No.	Description
MVB-62	1455	Broadband VHF/FM Amplifier 55 dB, 54-88/88-108/174-216 MHz
MVB-56	1447	Broadband VHF/FM Amplifier 47 dB, 54-88/88-108/174-216 MHz
MUVB-56	1453	Broadband VHF/FM/UHF Amplifier 47 dB, 54-88/88-108/174-216/470-806 MHz
MUVB-45	1454	Broadband VHF/FM/UHF Amplifier 45 dB, 54-88/88-108/174-216/470-806 MHz
MUVB-35	1451	Broadband VHF/FM/UHF Amplifier 36 dB, 54-88/88-108/174-216/470-806 MHz

Available through **Multicom, Inc.** 1076 Florida Central Parkway, Longwood, FL 32738

Ph: 407-331-7779 Toll Free: 800-423-2594 Fax: 407-339-0204

www.multicominc.com