

Masterline® MATV Distribution Amplifiers

MUVB Series

**HD
READY!**



MUVB -35



MUVB -45

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. The Masterline® Series uses split band amplification, combined with low noise input circuitry, to provide a wide dynamic range and exceptional output capability.

○ Features & Benefits

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

○ Specifications

RF	MUVB-35	MUVB -45
Frequency Range (MHz)		
VHF LB (2-6):	54-88	54-88
FM:	88-108	88-108
VHF HB (7-13):	174-216	174-216
UHF (14-69):	470-890	470-890
Gain (dB)		
VHF LB (2-6) & FM:	36	45
VHF HB (7-13):	35	43
UHF (14-69):	37	43
Noise Figure (dB)		
VHF LB (2-6) & FM:	6.0	7.0
VHF HB (7-13):	7.0	7.5
UHF (14-69):	6.2	5.0
Output Level - Max (dBmV) (a)		
VHF LB (2-6):	+49	+54
VHF HB (7-13):	+49	+54
UHF (14-69):	+49	+52
Gain Control Range (dB)		
All Bands:	18	18
Impedance - All Ports (Ω):	75	75
Power Requirements		
Voltage (VAC):	117, ±10%	117, ±10%
Frequency (Hz):	60	60
AC Convenience Outlet:	NA	YES
Temperature Range (°C):	0 to +50	0 to +50
Mechanical		
Dimensions (L x W x D):		
in.	11.88 x 5.22 x 1.75	19 x 5.22 x 2.56
mm	302 x 133 x 44	483 x 133 x 65
Weight:		
lbs.	3.25	7.00
kg	1.48	3.18
Controls (Top Panel)		
Gain		
LB VHF/FM/MB VHF:	Control	Control
HB VHF:	Control	Control
UHF:	Control	Control
FM Trap IN/OUT:	Slide Switch	Slide Switch
Separate/Combined LB/HB VHF:	-	Slide Switch
Separate/Combined U/V:	Slide Switch	Slide Switch

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

○ Ordering Information

Model	Stock No.	Description
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

**CATV
PRODUCTS**

**RF AMPLIFIERS
SPECIALTY**