

**Westbury Electronics, Inc.**

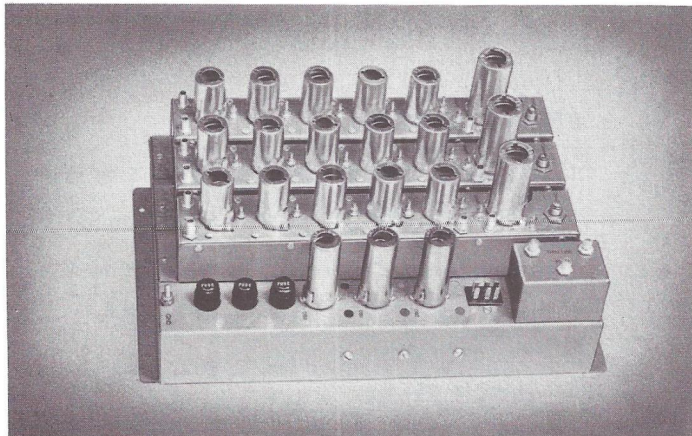


# Westbury Electronics, Inc.

WESTBURY • LONG ISLAND • NEW YORK

# AL

• INDUSTRIAL • HOTEL • APARTMENT HOUSE • COMMUNITY TV •



## LINE AMPLIFIER

### DESCRIPTION:

The Westbury Model AL Series line amplifier was designed to meet the exacting demands of the community television industry for a rugged, economical, efficient, and stable amplifier that would provide the utmost in picture quality and sound reproduction to the community television subscriber.

The wide bandwidth (7.5 to 8.0 MC) of the Westbury Model AL strip amplifier permits the cascading of a greater number of amplifiers without loss of either picture resolution or system bandwidth below 6 MC. All inputs are matched to prevent undesirable reflections at the input, thus eliminating the use of external input matching pads or critical mixing cables. By this method the amplifier's usable gain is increased appreciably and less amplifiers are required. Each strip amplifier has AGC, output level control, and a performance test point. Channel 2 strips have built-in 6 db pads at the output for equalization so arranged that loop gain for AGC remains unaffected and the amplifier tubes operate under optimum conditions.

All adjustments are readily available at the top. Tuning coils have lock nuts to prevent detuning.

Performance test jack permits monitoring (without service interruption) the strip performance to indicate the approaching end of tube life.

The AL strips are mounted on a Main Deck with input and output monitoring facilities and permits monitoring without service interruption. The Westbury Model AL-3 is for 3 channel operation and the Westbury Model AL-5 for 5 channel operation. The latter incorporates input & output cross-over networks for sub-channel operation. Power for the Westbury Model AL-3 is derived from a separate power supply (recommended Westbury Model PS-3 or PS-5) employing constant voltage transformers and conservatively rated components. For Model AL-5 the Westbury Model PS-5 is recommended or for 3 channel operation where expansion to 5 channel is anticipated.

"Westbury Long Life Design" is employed thru-out. Vacuum tubes are operated below their maximum ratings, thus insuring long life and trouble-free operation. Efficient mechanical design provides for excellent heat dissipation.

Features and Specifications  
on reverse side

*The Royalty of TV Systems . . .*

### FEATURES:

- Designed for continuous commercial service (CCS)
- Long life
- Economy of operation
- Excellent stability
- AGC on each strip
- Adjustable output level control on each strip
- Available for channels 2, 3, 4, 5, 6, LO-3 & LO-5
- Factory-aged vacuum tubes
- 6.0 volt heater supply regulated to 1%
- Input cables totally non-critical
- Military type construction

Model AL-3 consists of the following:

3—Model AL Strips (specify channels)

1—MD-3 Main Deck

1—Cable Set

1—A107 75 Ohm Termination

1—PS-3 Power Supply

Model AL-5 consists of the following:

5—Model AL Strips (specify channels)

1—MD-5 Main Deck with input and output cross-over networks and test points

1—Cable Set

2—A107 Termination

1—PS-5 Power Supply

### SPECIFICATIONS:

- Bandwidth—7.5 to 8.0 MC per strip
- Gain—56 db (channel 2 strips have built-in 6 db equalizing attenuator) minimum.
- Input & Output Impedance—75 ohms
- Output Level—1.5 volts maximum
- Input Level—2000 microvolts minimum
- AGC Characteristics (low band) 1.5 DB for 10 DB input level change
- Available channels—channels LO-3, LO-5 and 2 thru 6 inclusive.
- Power Requirements  
3 channels model AL-3—6.0 volts AC @ 4.2 amps and 150 volts DC @ 200 ma.  
Recommended Power Supply—Westbury Model PS-3 or Model PS-5  
5 channels Model AL-5, 6.0 volts AC @ 7.0 amps and 150 volts DC @ 330 ma.  
Recommended Power Supply—Westbury Model PS-5 for 5 channel operation
- Power Consumption—115 watts, 3 channels, 145 watts 5 channels.
- Model AL is interchangeable with Westbury Model 1145
- Size—7 $\frac{3}{4}$ " wide x 12 $\frac{7}{8}$ " long 5 $\frac{3}{4}$ " high—3 channel group 11 $\frac{3}{4}$ " x 15 $\frac{5}{8}$ " x 5 $\frac{3}{4}$ "—5 channel group.
- Weight—8 $\frac{1}{2}$  lbs. (separate strips 1.5 lbs. each) 3 channel group. 12 lbs. 5 channel group.
- Finish—Electro-plated chassis, golden Hammertone painted.
- Connectors—Westbury miniature type A106, mating with Westbury type A102 Cable Connectors and similar types.
- Vacuum Tube Complement per strip—  
5—6AK5 Stagger tuned amplifier  
1—6AM8 AGC Amp-detector

Note: Main Decks MD-3 and MD-5 have one OB2 screen supply regulator per strip.



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ABB-5

ABB-6

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## CHAIN AMPLIFIERS (DISTRIBUTED TYPE)

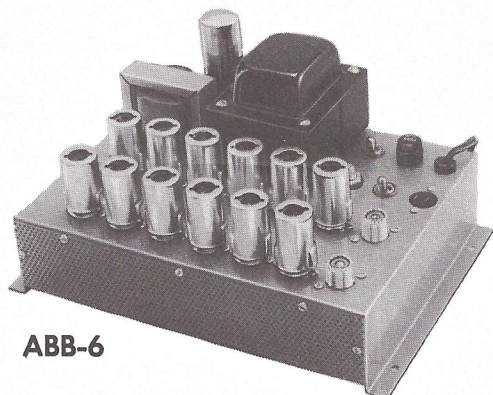


ABB-6

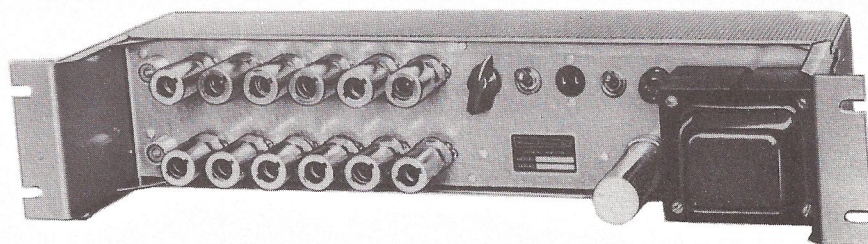


ABB-5

### DESCRIPTION:

The Westbury Model ABB-5 and ABB-6 Chain Amplifiers provide truly broadband amplification of TV and FM signals in the 15 to 230 MC region. The unique advantage of the Westbury Chain Amplifier over any other type of Broadband amplifier is that complete loss of emission of one or more tubes does not interrupt the system. It only reduces gain by 1.5 db per tube. Installation is unusually simple, requiring no special cables or networks at input or output to match to 75 ohm coaxial cable. Construction incorporates "Westbury Long Life" design both mechanically and electrically, insuring long dependable service. The ABB-5 is designed for standard relay rack mounting, the ABB-6 for mounting on any flat surface. Both units are electrically identical. A receptacle has been provided for the connection of an AGC unit where required.

### FEATURES:

- No matching cables — input and output impedance 75 ohms.
- Frequency response flat  $\pm 1.5$  db, 15-230 MC.
- Designed for continuous service.
- Provision for addition of AGC.
- Manual Gain Control .
- Self-contained power supply.
- No tuning adjustments.

### SPECIFICATIONS:

- Bandwidth: 15-230 MC
- Gain: 20 db
- Bandpass linearity:  $\pm 1.5$  db, 15-230 MC; less than 0.5 db over any one TV channel
- Manual gain adjustment: 6 db
- Input and Output impedance: 75 ohms
- Input level (minimum): 1000 microvolts
- Output level (maximum): 0.1 volt per channel for 7 channels
- Power input: 115 V AC, 60 cycles, 80 watts
- Size — ABB-5: 19" x 3 1/2" x 6"
- Size — ABB-6: 10 1/4" x 7" x 5"
- Weight — ABB-5: 9 lbs.
- Weight — ABB-6: 9 lbs.
- Finish: golden hammertone
- Vacuum Tubes: 12 - 6AK5s
- Power Rectifier: Selenium

**NEW!!**

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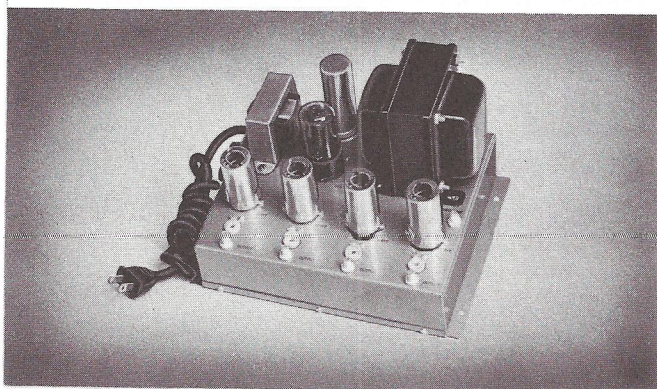


# Westbury Electronics, Inc.

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## AB-1

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## BRIDGING AMPLIFIER

### DESCRIPTION:

The Westbury Model AB-1 Bridging Amplifier was designed to provide 5 adjacent channel (54-88 MC) system operation to permit driving at high level up to four feeder lines from a main line cable. Complete isolation of the four feeders from each other and from the main line is a distinctive feature of this unit. A mid-band gain of 5 db is provided with a separate slope adjustment for each of the four outputs. The high maximum undistorted output level permits longer feeder lengths without the use of additional amplifiers.

"Westbury Long Life Design" is incorporated by operating all vacuum tubes and components below their maximum electrical ratings to insure long trouble-free operation. The Westbury Model AB-1 is complete with its own built-in power supply.

### FEATURES:

- Designed for Continuous Commercial Service (CCS)
- Long Life
- Economy of operation
- Excellent Stability
- All vacuum tubes factory aged
- Matched inputs
- High level signal capacity
- Military type construction
- Slope adjustment provided from zero to 5 db
- Separate slope adjustment for each output

### SPECIFICATIONS:

- Frequency Range—53 to 89 MC
- Gain—5 db minimum (zero slope)
- Slope Adjustment—zero to 5 db rising
- Input-Output Impedance—75 ohms
- Channels—2-6 inclusive
- Output—0.3 volts per channel for 5 channel operation (higher for less channels)
- Input—0.15 V. maximum per channel
- Power Consumption—60 watts
- Power Requirements—115 V., 50-60 cycle
- The AB-1 is interchangeable with the Westbury Model 1615
- Size—9" long, 6" wide, 6" high
- Weight—9 lbs.
- Finish—Electroplated chassis, golden Hammertone painted exterior
- Connectors—Westbury miniature type A106 mating with Westbury type A102
- Tube Complement—  
4—12BY7A Amplifiers  
1—5Y3 Rectifier

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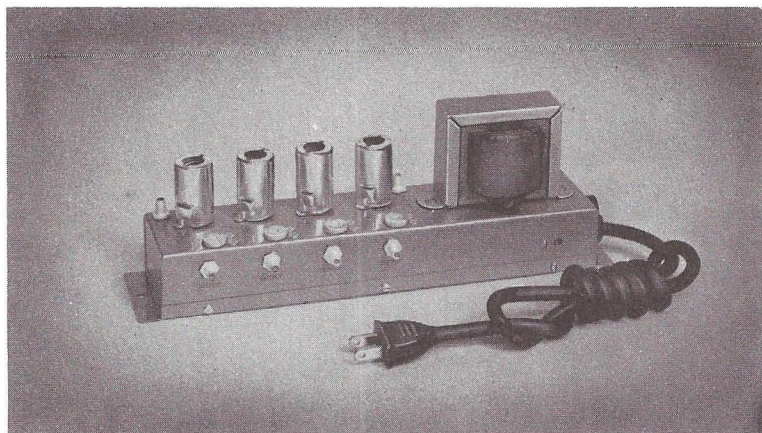


# Westbury Electronics, Inc.

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## AB-2

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## BRIDGING AMPLIFIER

### DESCRIPTION:

The Westbury Model AB-2 Bridging Amplifier was designed to meet the requirements for a quality low level, low cost broad band amplifier that would be rugged, efficient and compact. Four outputs are provided, isolated from the main line and from each other to feed branch lines. It is AC operated with a power transformer providing complete isolation from the power line source.

"Westbury Long Life Design" is employed thru-out in that all vacuum tubes and components are operated at below their maximum electrical ratings insuring long trouble-free operation. Efficient mechanical design provides for vacuum tube heat isolation from components. The Westbury Model AB-2 is complete with its own built-in Power Supply.

### FEATURES:

- Designed for Continuous Commercial Service (CCS)
- Long Life
- Extreme economy of operation
- Excellent Stability
- All vacuum tubes factory aged
- Military type construction
- Matched inputs
- Slope adjustment for each output
- Slope adjustment provided from zero to 5 db

### SPECIFICATIONS:

- Frequency Range—53-89 MC
- Gain—2-3 db (zero slope)
- Slope Adjustment—zero to 5 db rising
- Input-Output Impedance—75 ohms
- Channels—2 thru 6 inclusive
- Output—0.1 V. for 5 channel operation
- Power Consumption—15 watts
- Power Requirements—115 Volts, 50-60 cycles
- AB-2 is interchangeable with Westbury model 1362 Size—11" long, 2 $\frac{3}{8}$ " wide, 3 $\frac{7}{8}$ " high
- Weight—3 lbs.
- Finish—Electro plated chassis, golden Hammertone painted
- Connectors—Westbury miniature type A106 mating with Westbury type A102
- Vacuum Tube Complement—
  - 4—6AK5 Amplifiers
  - 1—Selenium Rectifier

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**ABB-3  
and  
ABB-4**

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ABB-3

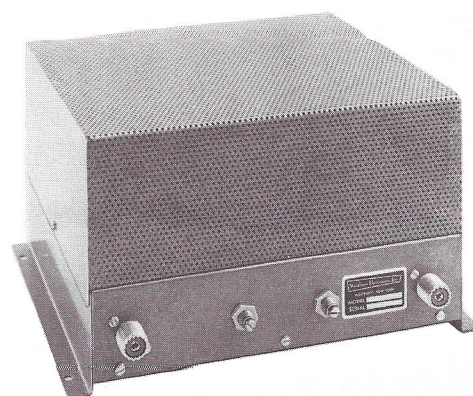


ABB-4

## BROAD BAND AMPLIFIERS

### DESCRIPTION:

(Economy Series)

The Westbury Model ABB-3 (Channels 2-6) and ABB-4 (Channels 2-13) Broad Band Amplifiers provide an economical method of amplifying TV signals in the 2-6 and 2-13 range for TV signal distribution in apartment houses, hotels, motels, housing developments, hospitals, etc. Clear, sharp, snow-free pictures can be distributed to a large number of TV receivers from a single antenna by the use of one or more of the Model ABB-3 or Model ABB-4 Amplifiers driving a Coaxial Cable System. High gain, low noise input, and excellent linearity of response provide the ultimate in picture quality for color or monochrome at low cost.

### FEATURES:

#### ABB-3 and ABB-4

- Designed for continuous service
- Economy of operation
- Excellent stability
- Input and output matched for 75 ohm cables
- Cascode input for high signal-to-noise ratio
- Self contained power supply

### SPECIFICATIONS:

| ABB-3  | ABB-4   |
|--|---|
| Bandwidth—53-89 mc   | 53-89 and 173-217 mc                          |
| Gain—37 db midband   | 37 db midband, both upper & lower bands       |
| Adjustable Slope—zero to 4 db rising                       | zero to 4 db rising                           |
| Output level—0.3 volts per channel<br>or 2 volts composite | 0.3 volts per channel or<br>2 volts composite |
| Input and output impedance—75 ohms                         | 75 ohms                                       |
| Rectifier—Selenium   | Selenium                                      |
| Gain Control Range—15 db                                   | 15 db   |
| Bandpass linearity— $\pm 0.5$ db                           | $\pm 0.5$ db                                  |
| Power—115V AC, 60 cycles, 30 watts                         | 115V AC, 60 cycles, 70 watts                  |
| Size—7 $\frac{3}{4}$ " x 5" x 4 $\frac{3}{4}$ "            | 10" x 7 $\frac{3}{8}$ " x 5"                  |
| Weight—3 lbs.  | 5 lbs.  |
| Finish—Golden Hammertone                                   |   |

#### Tube Complement

2—6BQ7A 1—12BY7A

4—6BQ7A 1—6CB6 2—12BY7A

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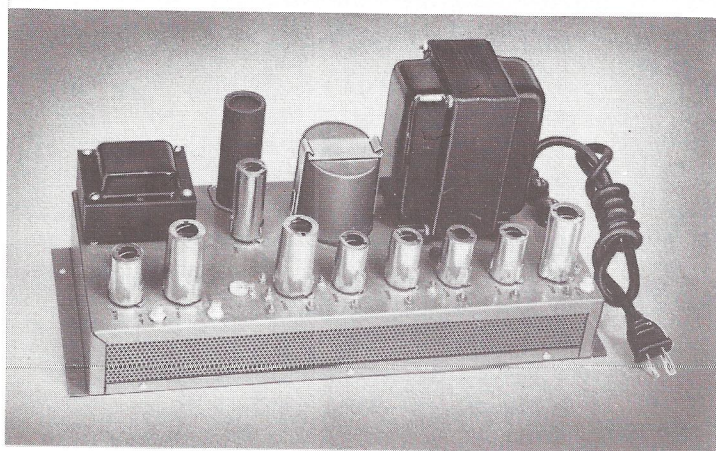


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## ABB-1

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## BROAD BAND AMPLIFIER

### DESCRIPTION:

The Westbury Model ABB-1 Broad Band Amplifier was designed for 5 adjacent-channel operation and can be used for both main trunk and branch line application. It is rugged, stable and efficient and provides the utmost in economy of operation and picture quality. The Model ABB-1 is provided with an automatic control to prevent amplifier overload. A simplified tilt control system permits equalization of cable characteristics over the pass band. Tuning controls have been kept to a minimum. Test points are provided at both the input and output for monitoring the signal without interruption of service.

"Westbury Long Life" design is incorporated throughout in that all vacuum tubes and components are operated well below their specified electrical ratings insuring long and trouble-free operation. Efficient mechanical design provides for complete vacuum tube heat isolation from components. Power Supply is an integral part of the unit.

Features and Specifications  
on reverse side

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### **FEATURES:**

- Designed for Continuous Commercial Service
- Long Life
- Cascode Input for high signal-to-noise ratio
- Maximum Stability
- All vacuum tubes factory aged
- Filament regulated to 2% (for long tube life)
- Input and output matched to 75 ohms for no-reflection performance
- 45 db mid-band gain with factory aligned 8 db slope
- 0.3 volts per channel for 5 channels or 2.0 volts composite undistorted output
- Output held to 1.5 db for 10 db input swing by AGC
- Output level control permits full adjustment of gain while maintaining slope linearity to plus or minus 0.5 db over the entire pass band
- Simplified tilt control for cable equalization
- Positive lock tuning coils for noise-free operation
- Constant voltage power transformer provides dependability of operation independent of line fluctuations
- Non-critical circuits insuring complete stability

### **SPECIFICATIONS:**

- Frequency Range—54-88 MC
- Gain—45 db at 70 MC
- Input Impedance—75 ohms (matched)
- Output Impedance—75 ohms
- Output—0.3 volts per channel, 2.0 volts composite
- Power Consumption—65 watts
- Power Requirements—115 volts 50-60 cycles
- Size—14" x 6" x 5 1/4"
- Weight—12 lbs.
- Finish—Golden Hammertone Paint
- Connectors—A102
- **Vacuum Tube Complement**
  - 1—6BQ7A Cascode Amp.
  - 4—6AK5 Amplifiers
  - 1—12BY7A Output
  - 1—6AL5 Detector-Clamp
  - 1—6AW8 Overload Control
  - 1—OB2 Voltage Regulator

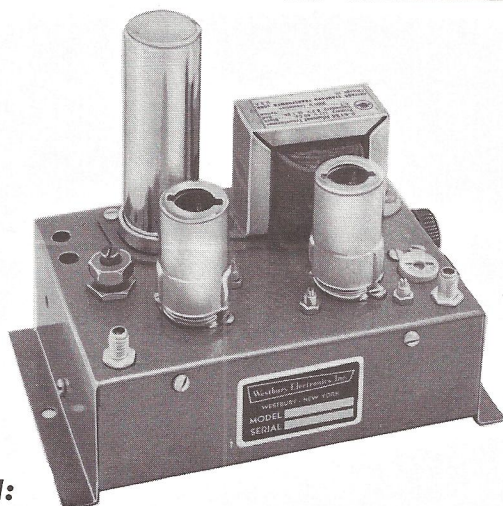


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## ABB-2

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## SUB-CHANNEL BROAD BAND AMPLIFIER

(Economy Series)

### DESCRIPTION:

The Westbury Model ABB-2 Sub-channel Broad Band Amplifier was designed to permit the addition of as many as three channels to an existing Broad Band TV System when used in conjunction with the Westbury Model CV-2 At-The-Set-Converter. The ABB-2 offers an economical method of increasing system bandwidth to provide additional revenue-producing channels in a manner that does not disturb the present system operations. The combination of the two units (ABB-2 and CV-2) provides additional channels for Closed Circuit application, such as "Cable Theater" (motion pictures as supplied by local theaters, film distributors, or the TV System Operator), locally generated programs, local news reports, additional off-the-air TV Channels, etc. The offering of this facility to present cable customers does not in any way affect his present facilities and is available to him at his option only (at an additional monthly cost). The additional TV information is placed on the TV cable and is available only to subscribers who request the installation of the At-The-Set Converter at an increased monthly rate.

### FEATURES:

- Designed for continuous service
- Economy of operation
- Excellent stability
- Adjustable output level control
- Input matched to 75 ohm cables

### SPECIFICATIONS:

- Bandwidth—24.5 to 42.5 mc
- Gain—25 db
- Input and output impedance—75 ohms
- Output level—0.1 volt per channel
- Input level—500 microvolts minimum
- Rectifier—Selenium
- Power—115V AC, 60 cycles, 12 watts
- Vacuum Tube Complement—2—6CB6
- Size 5 3/4" x 3 5/8" x 4"
- Weight 1 1/2 lbs.
- Finish—Golden Hammertone

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## ABB-9 ABB-10

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## ALL TRANSISTORIZED BROAD BAND AMPLIFIER



### DESCRIPTION:

The Westbury Model ABB-9 and ABB-10, the first Transistorized Broadband TV Amplifiers, are designed for REAL economy of operation, long life and reliability. These amplifiers cover channels 2 through 6 plus the FM band. They can be used in either Trunk or Feeder lines. Tilt controls permit easy equalization. Test points permit monitoring without interruption of service. Provisions are included for operation from an external long-life battery, if desired, eliminating the necessity for AC power at the amplifier location. The total current drain is 25 MA; and an external battery will last an exceptionally long time.

A BUILT-IN STANDBY POWER SOURCE is provided in the form of a battery that supplies emergency power automatically (30 hours) when commercial power fails and is automatically disconnected when commercial power is restored.

The Westbury Models ABB-9 and ABB-10 are identical except that Model ABB-10 has an automatic overload control. Both transistorized amplifiers have all the features of a vacuum tube amplifier, plus many more that a tube amplifier could not possibly have. Packaged in one small weatherproof enclosure is a complete system housing a transistor regulated power supply, power line filter, amplifier, emergency power, automatic overload control (ABB-10), monitoring facilities, and long life of a magnitude not realizable with vacuum tube amplifiers.

Both of these amplifiers have been designed for use in both feeder lines and trunk lines where cascading is a primary requirement.

One additional ABB-9 or ABB-10 can be cable powered by the use of a Westbury Model PS-7 power supply (transistor regulated) at the sending end and a Westbury Model PS-8 battery connection box at the remote amplifier location.

Features and Specifications  
on reverse side

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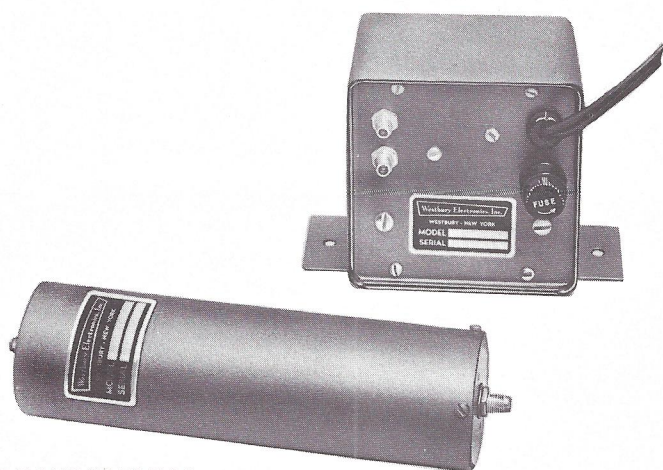


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## AP-3

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## PREAMPLIFIER (Transistorized)

### DESCRIPTION:

The Westbury Model AP-3 is a single channel all-transistorized unit designed for pole mounting at the antenna. Two high frequency transistors are used in a newly developed circuit assuring dependable low-noise operation. The completely weather-proof housing permits unrestricted use in exposed installations. Transistor voltages and currents are held well below maximum to insure service-free operation. Transistors have approximately twenty times the life of vacuum tubes when used in properly engineered circuitry such as this unit. Low-noise input circuits permit operation with the same input signal levels as with conventional cascade vacuum tube circuitry.

The price of the AP-3 includes the PS-7 power supply which can be located as far as 600 ft. or more from the AP-3 and supplies the necessary power to the pre-amp thru the same co-axial cable that carries the amplified TV output signal from the pre-amp to the main amplifier or converter.

### FEATURES:

- Designed for Continuous Commercial Service
- Long Life
- Completely Transistorized
- Low Operating Cost
- High Gain
- Extremely Low Power Drain
- Cable Powered
- Aged High Frequency Transistors
- Completely Weatherproof
- Service Free Operation
- Battery Operated, if desired
- For battery operation, an additional item is required to permit connection to an external battery (Model PS-8 Battery Connection Box). It is identical in size and appearance to the PS-7 and contains only the circuitry and chassis connector for use with an external battery.

### SPECIFICATIONS:

- (Available Channels 2, 3, 4, 5, or 6)
- Noise Figure—5 db at channel 6 (better on lower channels)
- Gain—40 db
- Bandwidth—6 MC flat to  $\pm 0.5$  db
- Impedance—75 ohms, input and output
- Power Consumption—0.5 watt when used with PS-7
- Power Requirements—115 volts, 50-60 cycle
- Size — 

|  | Pre-Amp Only    | PS-7                     |
|--|-----------------|--------------------------|
|  | 6 1/2" x 1 3/4" | 3 1/2" x 3 1/2" x 3 1/2" |
|  | (cylindrical)   |                          |
- Weight — 12 ounces 1 lb. 6 oz.
- Transistors—2
- Provision for storage battery operation, 9 volts DC @ 18 MA.
- PS-7 Power Supply, silicon diode operation — no vacuum tubes or selenium rectifiers. Output—9 volts DC @ 18 MA.

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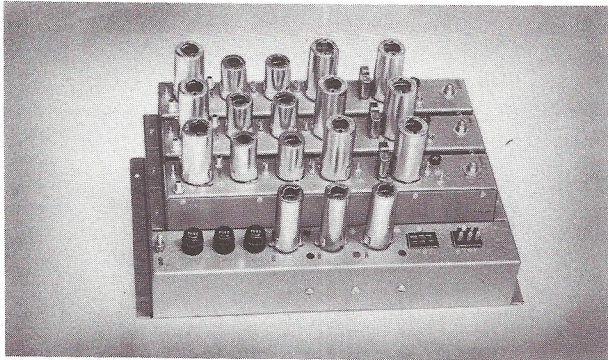


# Westbury Electronics, Inc.

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SO

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## SUBSTITUTION OSCILLATOR

### DESCRIPTION:

Westbury Model SO Series Substitution Oscillator injects a picture carrier signal into the cable system when the station carrier is off the air. This method allows the system amplifier AGC's to continue operation and prevents "snow" from affecting the adjacent channels.

A crystal oscillator is held off by the station carrier, and generates a stable signal when the station carrier goes off. No relays are used.

A buffer stage is incorporated on each strip so that installation of this unit is simplified. Merely insert the Substitution Oscillator adjacent to the input of the Main Line Amplifier.

The sensitivity control on each channel permits adjustment of the "cut-in" point. The output is adequate to work into a Sound AGC system that requires pads.

Unit construction permits plug-in operation on a Westbury type MD-3 or MD5 Main Deck and the use of a separate Power Supply. Standardization of construction permits use of Main Decks MD-3 (for 3 channels) or MD-5 Deck (for 5 channels) and Power Supply PS-3 (for 3 to 4 channels) or PS-5 (for 3 or 5 channels). By a simple internal modification, higher output is available; however, the standard factory-adjusted output is 8,000 to 10,000 microvolts.

Model SO-3 consists of the following:

- 3—Model SO Strips (specify channels)
- 1—Model MD-3 Main Deck
- 1—Model PS-3 Power Supply

Model SO-5 consists of the following:

- 5—Model SO Strips (specify channels)
- 1—Model MD-5 Main Deck
- 1—PS-5 Power Supply

### FEATURES:

- Designed for Continuous Commercial Service (CCS)
- Unit Construction—Plug in Operation
- Crystal Oscillator
- Sensitivity Control for each Channel
- Isolating Buffer Stage between input and output
- Conservative operation of tubes
- Factory-aged tubes
- Matched input and output
- Military type construction

### SPECIFICATIONS:

- Channels Available—channels Lo 3 Lo 5 & 2 thru 6
  - Sensitivity—oscillator operates from 800 microvolts up to 5000 microvolts (adjustable)
  - Impedance—input-output 75 ohms
  - Output—8000 microvolts (more available)
  - Power Requirements—
    - SO-3—3 channels—6.0 volts AC @ 4.2 amps. regulated
    - 150 volts DC @ 200 ma.
    - SO-5—5 channels—6.0 volts AC @ 7.0 amps. regulated
    - 150 volts DC @ 330 ma.
  - Size— $7\frac{3}{4}$ " x  $12\frac{7}{8}$ " x  $5\frac{3}{4}$ "—3 channel
  - 11  $\frac{3}{4}$ " x 15  $\frac{5}{8}$ " x  $5\frac{3}{4}$ "—5 channel
  - Weight—8  $\frac{1}{2}$  lbs.—3 channel
  - 12 lbs.—5 channel
  - Finish—Golden Hammertone paint
  - Connectors—Westbury type A106
  - Tube Complement per strip—
    - 2—6AK5 Amplifier
    - 2—12AT7 Amplifier and Oscillator
    - 1—6AM8 Amplifier Detector
- Note: One OB2 Voltage Regulator per strip is located on the Main Deck.

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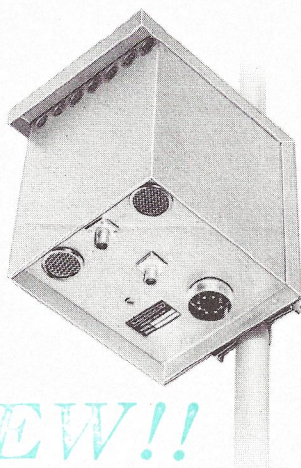


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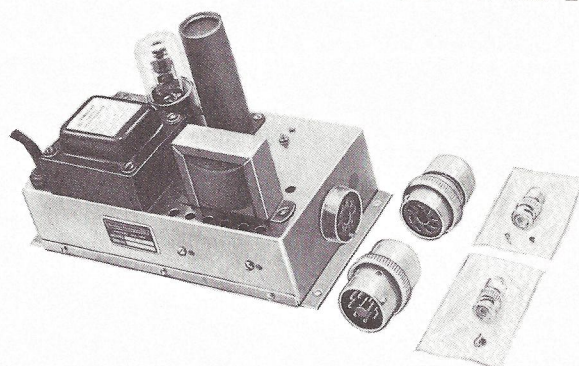
## AP-2

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NEW!!

## LOW-LO-NOISE PREAMPLIFIER



### DESCRIPTION:

The Westbury Model AP-2 Low-Lo-Noise Preamplifier is a **MUST** at master antenna sites where low signal strengths in the UHF band are encountered or marginal signals below 100 microvolts in the upper VHF band prevent the reception of snow-free pictures using conventional pole mounted preamplifiers.

The Westbury Model AP-2 Preamplifier is available for all TV channels in the VHF band, and UHF bands up to channel 40. It is designed with a weather-proof enclosure for mounting on the antenna pole with direct connection to the antenna by means of a short 75 ohm coaxial cable. A five-wire shielded cable and a coaxial cable provide the power and signal connections between the AP-2 on the pole and its separate power supply plus the following converter and/or amplifier on the ground. All connectors are supplied less cables.

The Model AP-2 Low-Lo-Noise Preamplifier uses a single Western Electric 416B/6280 vacuum tube as a grounded grid amplifier. This planar (lighthouse) type tube has a very high transconductance and relatively high cathode current to provide the ultimate in low noise figure with high gain. Noise figure at channel 13 is 3.5 db and gain is 22 db. At 500 MC, a noise figure of 5 db and a gain of 18 db are realized. For comparison, a well-designed cascode input preamplifier will have a noise figure of 8 db at channel 13. At UHF frequencies, conventional vacuum tubes are impractical.

Special circuitry in the companion power supply (PS-6) provides the required three-minute heater warm-up period before application of plate voltage and delay removal of protective bias as recommended by the Western Electric Company for maximum life of the 416B vacuum tube. Forced air cooling of this type tube is provided by a built-in blower system with a safety inter-lock which removes plate voltage in case of blower failure.

The AP-2 Low-Lo-Noise Preamplifier is custom built to a customer's specific application, and therefore a one-third payment is required with each order. Price is \$485.00 net to Antenna Companies including one PS-6 Power Supply and connectors, FOB Westbury, New York.

### FEATURES:

- Designed for Continuous Commercial Service (CCS)
- Lowest noise figure commercially available
- Completely weatherproof
- Forced air cooling with safety interlock
- Automatic plate voltage time delay

### SPECIFICATIONS:

- Noise Figure—3.5 db at channel 13
- Gain—22 db at channel 13
- Noise Figure—5 db at 500 MC
- Gain—18 db at 500 MC
- Bandwidth—8 MC
- Impedance—Input-Output, 75 Ohms
- Power Consumption—55 Watts
- Power Requirement—115 V., 60 cycles
- Weight—AP-2 only, 6 lbs.

- Weight—PS-6, 5 lbs.
- Size—AP-2, 7 1/8" high, 5 5/8" wide, 6 1/8" long (includes mounting bracket)
- Size—PS-6, 5 1/2" high, 4 1/2" wide, 9" long (includes mounting flanges)
- Tube Complement —
  - 1—416B/6280 (AP-2)
  - 1—Selenium Rectifier (PS-6)
  - 1—Thermal Time Delay Relay (PS-6)

*The Royalty of TV Systems...*

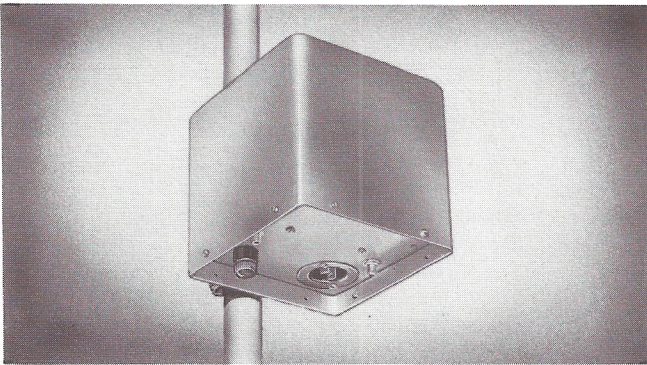


# Westbury Electronics, Inc.

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# AP-1

• INDUSTRIAL • HOTEL • APARTMENT HOUSE • COMMUNITY TV •



## PREAMPLIFIER

### DESCRIPTION:

Westbury Model AP-1 Preamplifier is a single-channel unit designed for pole mounting at the antenna. Lo-noise cascode input circuits permit operation on signals as low as 50 microvolts. Tube heater voltages and plate voltages are reduced well below ratings to provide exceptionally long life. The completely weatherproof housing permits unrestricted use in exposed installation.

Westbury Model AP-1 has higher gain than most other preamplifiers. It is not necessary to use two preamplifiers in cascode to obtain sufficient signal to drive the Line Amplifiers as is the case with lower gain preamplifiers. The higher gain is also important to overcome converter noise, when a converter follows the preamplifier.

Operating on 115 V. 50-60 cycle, extra low voltage power supplies are not required. Complete isolation from the coaxial cable is obtained by running a separate power cable designed for that purpose.

### FEATURES:

- Designed for Continuous Commercial Service (CCS)
- Exceptionally long Life
- Low Noise
- Low operating cost — low price
- High Gain
- Low power drain
- Factory aged tubes
- Completely weatherproof
- Pole mounting (brackets included)
- Aluminum housing and chassis

### SPECIFICATIONS:

Model AP-1A (channels 2, 3, 4, 5 or 6)

- Noise Figure—4.8 db at channel 6 (better on lower channels)
- Gain—42 db
- Bandwidth—6 MC on top, flat to plus or minus 0.5 db
- Impedance—75 ohms, input and output
- Power Consumption—15 watts
- Power Requirement—115 V., 50-60 cycles
- Size of Enclosure—5" x 5" x 4 1/2"
- Weight—4 lbs.
- Connectors—Westbury miniatures type A-106 mates with type A102
- Tube Complement—
  - 1—6BQ7A cascode amplifier
  - 2—6AK5 stagger tuned amplifier
  - 1—Selenium rectifier

Model AP-1B (channels 7, 8, 9, 10, 11, 12, 13)

- Noise Figure—7.5 to 8.0 db at channel 13 (better on lower channels)
- Gain—40 db
- All other specifications same as AP-1A

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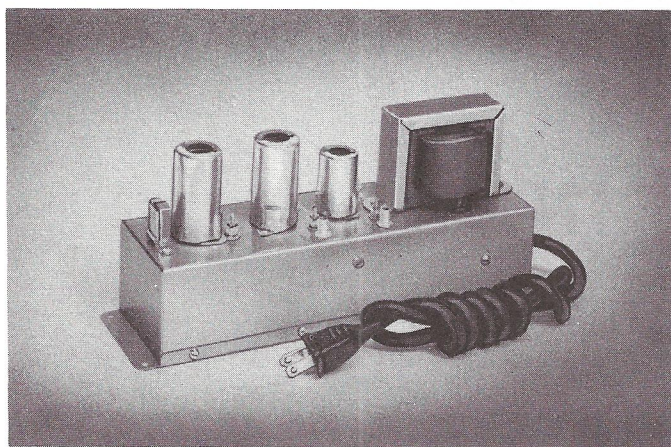


# Westbury Electronics, Inc.

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## CV-1

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## CASCODE CONVERTER

### DESCRIPTION:

Westbury Model CV-1 Cascode Converter provides excellent conversion for VHF Hi-Band to VHF lo-band or sub channels or vice-versa. The unique cascode mixer stage permits the use of low level signal inputs without deterioration of signal-to-noise ratio, a feature exclusive with Westbury. The Westbury Model CV-1 now makes possible in one small unit, a crystal controlled oscillator, high conversion efficiency, positive gain, and improved signal-to-noise ratio. Each converter has its own integral power supply permitting the widest flexibility. An output buffer amplifier stage, provides complete independence of the mixer stage from the load, wider bandwidth and flatter bandpass.

### FEATURES:

- Low Noise
- Crystal Controlled oscillator
- High Stability
- Gain from input to output
- Compact
- Low Cost
- Economy of operation
- Designed for CCS
- Long Life
- Vacuum tubes factory aged
- Matched input — output

### SPECIFICATIONS:

- Frequency Range—Optional (15 to 216 mc)
- Band Width—8 mc
- Amplitude Response—Plus or minus 0.5 db
- Gain—6 to 12 db (depending on converter freq.)
- Input-Output Impedance—75 ohms
- Input Signal Level—600 to 50,000 MV
- Power Consumption—15 watts
- Power Requirements—115 V., 50-60 cycle
- Size—10" x 2 3/4" x 4 1/2"
- Weight—4 lbs.
- Finish—Golden Hammertone painted
- Connectors—Westbury type A102
- Vacuum Tube Complement—
  - 1—12AT7 Oscillator/Multiplier
  - 1—12AT7 Cascode Converter
  - 1—6AK5 Amplifier
  - 1—Selenium Rectifier

*The Royalty of TV Systems...*



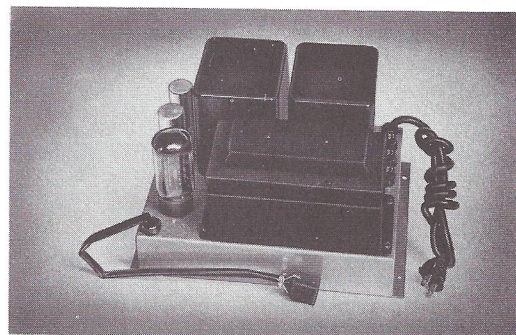
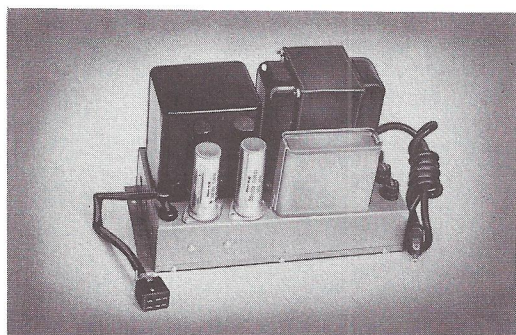
# Westbury Electronics, Inc.

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PS

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## POWER SUPPLY



### DESCRIPTION:

PS-3

PS-5

The Westbury Model PS-3 Power Supply was designed for three to four channel operation. Selenium Rectifiers are employed in a conservatively operated bridge circuit. A regulated transformer provides both plate and heater voltage regulated to 1%.

The Westbury Model PS-5 was designed for 5 channel operation or for 3 channel with reserve capacity for expansion to 5 channel operation, and is directly interchangeable with the PS-3. "Westbury long life design" is incorporated in both the PS-3 and the PS-5 by operating all components below their maximum electrical rating insuring long trouble-free operation.

### FEATURES:

- Military type construction
- Designed for continuous commercial service
- Compact
- Economy of operation
- Long Life
- Regulated Filament and Plate Supply PS-3

### SPECIFICATIONS PS-3:

- Voltage input—115V, 50-60 cycles
- Heater Voltage—6.0V at 6 amps. regulated & fused
- B+ Voltage—160V at 275 MA regulated & fused
- Size—5" x 11" x 6 7/8"
- Weight—20 lbs.
- Finish—Gold Hammertone finish
- Rectifiers—Selenium Rectifier Bridge circuit

### SPECIFICATIONS PS-5:

- Voltage input—115V, 50-60 cycles
- Heater Voltage—6.0V at 7 amps. regulated & fused
- B+ Voltage—160V at 350 MA fused
- Size—7 1/2" x 10 1/2" x 6 3/8"
- Weight—23 lbs.
- Finish—Golden Hammertone finish
- Rectifier—Vacuum tube—5U4 or 5AU4 (optional)
- Interchangeable with PS-3

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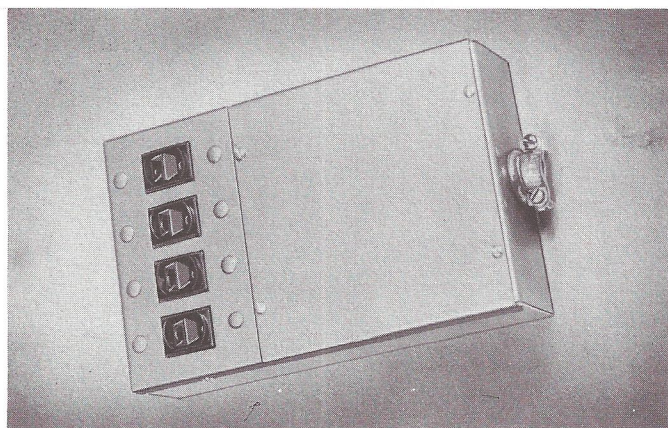


# Westbury Electronics, Inc.

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PF

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## POWER LINE FILTER

### DESCRIPTION:

Westbury Model PF series Power Line Filters were specifically designed for Television Distribution Systems and effectively prevent RF leakage back onto the power lines. Effective filtering is required to prevent ghosts, or "free" TV reception in the vicinity of amplifier boxes, and to meet FCC radiation requirements.

Full protection from lightning is built in (optional) and thus eliminates the need for separate lightning arresters.

Mounting is simplified in that no parts are mounted on the cover. Simply remove the fuse compartment cover with "no strings attached" and spot the four mounting holes. The filter elements are fully enclosed in a heavy gauge cartridge so rugged that you can literally step on it without damaging it.

Four HEAVY DUTY polarized receptacles are provided to insure firm and positive contact.

The PF filter is normally supplied with one dummy fuse for the ground side and a cable connector. The line protective fuse is rated at 15 amperes.

Models available as follows:

Model PF-1—Four outlet filter only

Model PF-2—Four outlet filter plus one lightning arrester

Model PF-3—Four outlet filter plus two lightning arresters

### FEATURES:

- Optional lighting arresters
- Line protection fuses
- Simplified mounting
- Four heavy duty polarized receptacles
- Silver plated filter elements
- Rugged mica capacitors and insulated coils in totally enclosed filter cartridge
- Full protection against excessive line surges
- Low cost

### SPECIFICATIONS:

- Load Rating—5 amperes
- Size—4 5/8" x 7 1/2" x 1 7/8"
- Finish—Golden Hammertone painted
- Line Protection Fuse—15 amperes
- Arrester Clips—Heavy gauge phosphor bronze
- Mounting—Four 3/16" diameter holes through the back (screws included)

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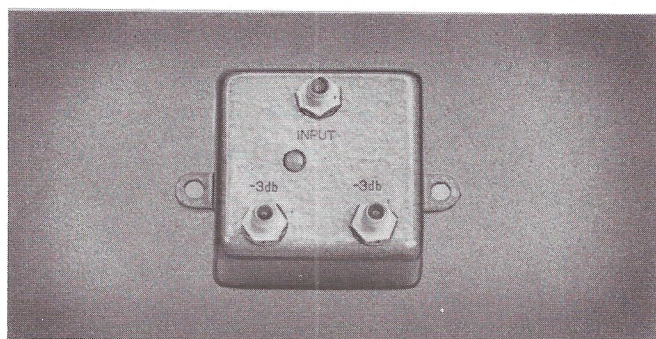


# Westbury Electronics, Inc.

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# LS

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## LINE SPLITTER

### DESCRIPTION:

Westbury Model LS series Line Splitters provide a matched split from a 75 ohm source to two or four 75 ohm loads. This loss-less network splitter is compact, economical, and easily installed. The special circuitry provides excellent isolation of any output from the others and has substantially lower attenuation than resistive splitters.

### FEATURES:

- Low Cost
- Output isolation
- Minimum attenuation
- Compact
- Excellent impedance match
- Flat frequency response
- Available in both RG-11/U and RG-59/U cable fittings
- Painted Golden Hammertone finish

### SPECIFICATIONS:

#### LS-1 & LS-3 (2 way)

- Attenuation—3 db, input to output
- Isolation—20 db, sub-channels to channel 6  
15 db, channels 7 thru 13
- VSWR—1.2 input, across the band  
Complete with Westbury A102 Connectors

#### LS-2 and LS-4 (4 way)

- Attenuation—6 db input to output
  - Isolation—12 db
  - VSWR—1.2 input across the band
- LS-1 and LS-2 have A106 connectors for RG59/U;  
LS-3 and LS-4 mate with type PL259 connectors for RG11/U.

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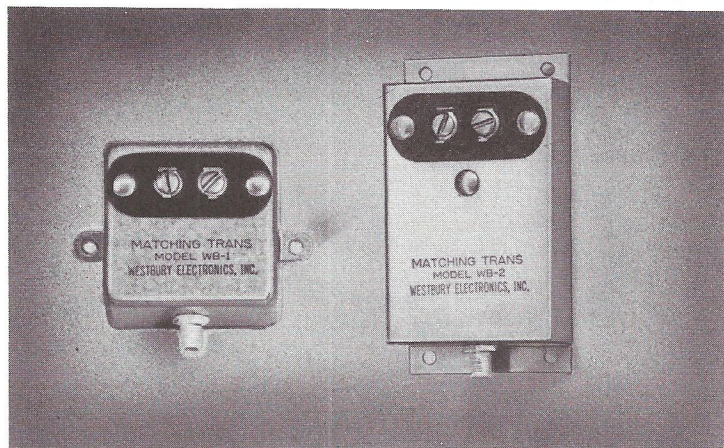


# Westbury Electronics, Inc.

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WB-1  
WB-2

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## MATCHING TRANSFORMERS

### DESCRIPTION WB-1:

Westbury Model WB-1 Matching Transformer provides an excellent match from a 75 ohm unbalanced source to a 300 ohm balanced load. Isolating capacitors provide complete isolation of the incoming cable from the television receiver. The entire network is housed in an attractive enclosure that is conveniently mounted on any flat surface (rear of TV set, base board, etc.). A standard Westbury type A106 chassis connector permits rapid disconnect of the cable for monitoring purposes. In this way it is not necessary to cut away the usual crimp-type connection and install a cable connector for test purposes. **STANDARD PACKS**—12 and 48 include two mounting screws and one Westbury type A102 connector per wall box.

### FEATURES:

- Quick Disconnect
- Ease of installation
- Excellent match
- Broad Band
- Unit Pack
- No soldering required

### DESCRIPTION WB-2:

Westbury Model WB-2 matching transformer provides a match from a 75 ohm unbalanced source to a 300 ohm balanced load.

The network used consists of "Elevator" coil plus isolating capacitors. This unit provides improved balance and is recommended for locations where a strong station signal is present in the area and is picked up by the coaxial cable braid. The 300 ohm side has screw terminals and the 75 ohm input is a standard Westbury type A106 coaxial connector that mates with Westbury type A102.

**Standard Pack**—12 or 36 to a carton and includes two mounting screws and one Westbury type A102 connector.

### SPECIFICATIONS:

- Input impedance—75 ohms
- Output impedance—300 ohms balanced
- Gain—6 db
- Size—2" x 2" x 1" (WB-1)
- Size—3" x 2" x 3/4" (WB-2)
- Finish—Golden Hammertone paint

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## CONNECTORS

### A101

Westbury type A101 cable connector is designed for RG-6/U cable. No soldering is required. The cable is fixed to the connector with a crimping ferrule supplied with each connector.

### A102

Westbury type A102 is similar to type A101 except that it is intended for RG-56/U cable.

### A103

Westbury type A103 is a female-to-female miniature adapter and mates with either type A101 or type A102 supplied with mounting nut and lock washer.

### A104

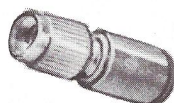
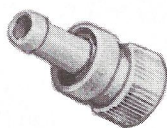
Westbury type A104 is a bulkhead transition mating with standard UHF connectors (PL 259 type) on one end and Westbury types A101 or A102 on the other, supplied with mounting nut and lock washer.

### A106

Westbury type A106 is a miniature chassis connector mating with Westbury type A101 and A102, supplied with nut and lock washer.

### A107

Westbury type A107 is a 75 ohm termination in which is used a separate inner conductor that properly mates with the receptacle. Commercially available terminations using the resistor load as the inner conductor DO NOT mate properly.



A101, A102, A103, A106—Packages of 25  
A107, A104—Unit Packed.



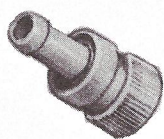
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100  
SERIES

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## CONNECTORS



**A101**

Westbury type A101 cable connector is designed for RG-6/U cable. No soldering is required. The cable is fixed to the connector with a crimping ferrule supplied with each connector.



**A102**

Westbury type A102 is similar to type A101 except that it is intended for RG-59/U cable.



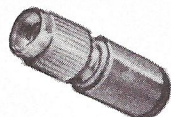
**A103**

Westbury type A103 is a female-to-female miniature adapter and mates with either type A101 or type A102 supplied with mounting nut and lock washer.



**A106**

Westbury type A106 is a miniature chassis connector mating with Westbury type A101 and A102, supplied with nut and lock washer.



**A107**

Westbury type A107 is a 75 ohm termination in which is used a separate inner conductor that properly mates with the receptacle. Commercially available terminations using the resistor lead as the inner conductor DO NOT mate properly.

**A108 ( )**

A single die cast connector for 70 ohm Phelps-Dodge Foamflex Cable that meets 90% of the requirements for aluminum sheathed cable. Inner conductors are spliced with a Nicopress sleeve before sliding the casting into place. Also used for cable entrance into amplifier cabinets to inside RG-59/U.

A108A— $\frac{1}{2}$ " to  $\frac{1}{2}$ " Foamflex

A108B— $\frac{3}{8}$ " to  $\frac{3}{8}$ " Foamflex

A108C— $\frac{1}{2}$ " Foamflex to DS RG-59/U (cabinet entrance)

A108D— $\frac{3}{8}$ " Foamflex to DS RG-59/U (cabinet entrance)



NEW!!

A101, A102, A103, A106 — Packages of 25  
A107, A108 — Unit Packed.

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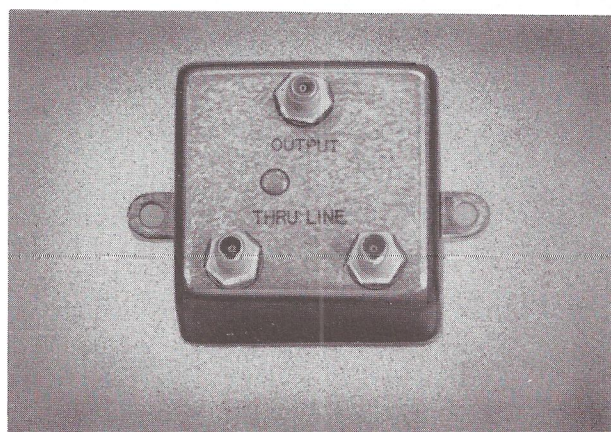


# Westbury Electronics, Inc.

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EA

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## EQUALIZER ATTENUATOR

### DESCRIPTION:

Westbury Model EA Series Equalizer/Attenuators are designed for use on 5 channel systems employing sub channel strips and converter/amplifiers. Various degrees of equalization and attenuations are available for the various test points along the main line. Standard Westbury type A106 miniature connectors are used. Three Westbury type A102 connectors and mounting hardware are packed with each unit. Four types are available.

### FEATURES:

- Compact sealed enclosure
- Unit pack
- Attenuation
- Ease of installation
- No soldering required

### ATTENUATION

| DESCRIPTION                              | Model | Attenuation in DB Each Channel |      |      |      |      |
|--|-------|--------------------------------|------|------|------|------|
|  |       | Lo 5                           | Lo 3 | 2    | 4    | 6    |
| For use adjacent to line amp .....       | EA1   | 28.5                           | 33.0 | 35.6 | 38.8 | 42.0 |
| For use at the quarter point .....       | EA2   | 24.0                           | 27.4 | 29.4 | 31.6 | 34.2 |
| For use at the mid point .....           | EA3   | 19.5                           | 21.8 | 23.1 | 24.6 | 26.3 |
| For use at the $\frac{3}{4}$ point ..... | EA4   | 15.0                           | 16.2 | 16.9 | 17.6 | 18.5 |

- Insertion loss—less than 1.0 db
- VSWR—1.25 to 1

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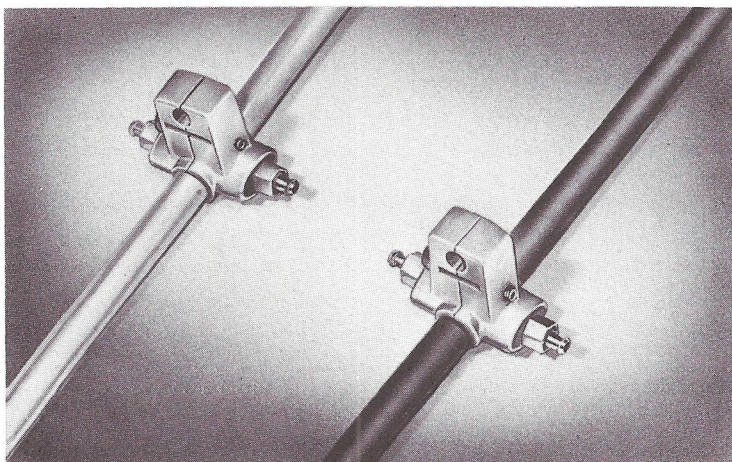
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PRESSURE  
TAP-OFF

PT  
SERIES

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## PRESSURE TAP-OFF

PT  
SERIES

### DESCRIPTION:

The Westbury PT Series Pressure Tap-Off presents a new, simple, economical and efficient method of tapping single shielded RG-11/U, double-shielded double-jacketed RG-11/U type, or 1/2" aluminum cable with either solid or foam dielectric.

It now becomes a simple operation in unskilled hands to core and complete a tap on a coaxial line in about 1/10 of the time previously allotted to this operation.

The Westbury PT Series Tap-Off assures low insertion loss and trouble-free taps. The Westbury coring tool cuts away the braid or aluminum in such a manner that shunt capacity is reduced to a minimum and prevents the possibility of shorts in the Tap-Off.

### FEATURES: (Exclusively with Westbury)

- The non-corrosive stainless steel perforating pin of the attenuator insert assures perfect electrical contact with the center conductor and will not buckle under pressure during the tapping operation.
- Dual purpose tap off — When the opposite side of cable is cored, a second tap off becomes available, and the only additional cost for the second tap off is the added attenuator insert. Seal plugs are available for the unused tap or for temporary disconnect.
- Positive messenger grip is accomplished by the use of a separate cone-point set screw which firmly grips the messenger thus eliminating the longitudinal forces in the coaxial feeder.
- Self Sealing of the tap is accomplished by the dome design of the dielectric at the perforating pin of the attenuator insert which seals against the aluminum cable or the vinyl jacket as the tap is made up to the coax.
- Flexibility — A wide range of attenuator inserts (both capacitive and resistive) are available to meet your specific attenuation requirement. Attenuators available: Capacitive at 100 mc — 11, 17, 22, 27, 41 db. Resistive - 15, 20, 25, 30 db.
- Waterproof Design.  
Westbury Model PT-1 tap off is designed for RG-11/U single shielded cable. Westbury Model PT-2 is for RG-11/U double shielded, double jacketed cable. (Coring tool for above, Westbury type CT-1)  
Westbury Model PT-3 tap off is designed for 1/2" aluminum cable with either solid or foam dielectric. (Coring tool for above, type CT-3)

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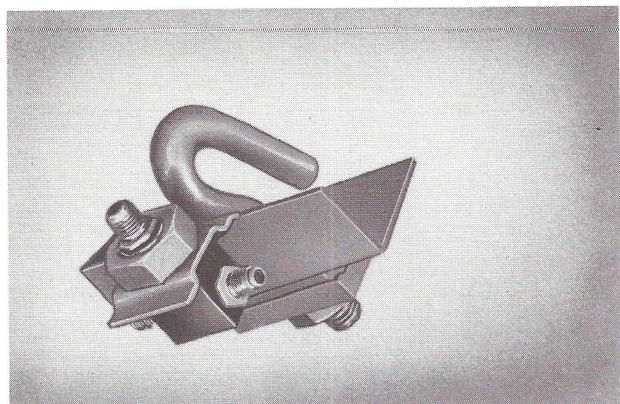


# Westbury Electronics, Inc.

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# T-1

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## TAP OFF

### DESCRIPTION:

Westbury Model T-1 Tap Off is intended for use with RG-6/U or RG-59/U coaxial cable. The complete assembly consists of a tap cartridge, bracket, and a span clamp anchor for the house drop messenger wire. The connectors are standard Westbury type A106 that mate with Westbury type A101 (RG-6/U) or Westbury type A102 (RG-59/U).

Model T-1 is a capacitive unit and compensates for the variation in cable attenuation with frequency. Several attenuation values are available.

The tap off cartridge (type TO-1) is available without the span clamp and bracket. Specify TO-1 for the cartridge only and T-1 for the entire assembly.

Attenuations available:

Brown, 33 db — Red, 23 db — Yellow, 18 db — Green, 15 db — Black, 12 db

Note: No cable connectors are packed with the tap off. Purchase separately only the Westbury type (A101 or A102) that you actually require.

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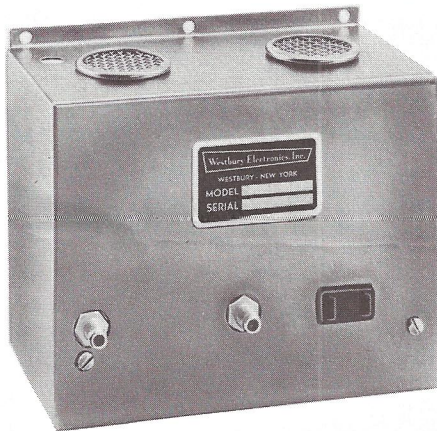


# Westbury Electronics, Inc.

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## CV-2

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## AT-THE-SET- CONVERTER

(Economy Series)

(Recommended for use with ABB-2 Broad Band Amplifier)

### DESCRIPTION:

The Westbury Model CV-2 At-The-Set-Converter is unique in its application in that additional revenue can be obtained in present Wired TV Systems by providing additional TV Channels that are isolated from the presently existing channels. Such additional channels can be made available only to those subscribers who wish to pay an increased monthly rate. These additional revenue-bearing Channels may also be used for Closed Circuit application such as "Cable Theater" (motion pictures as supplied by local theaters, film distributors, or the local TV system operator), locally generated programs, local news, or additional off-the-air TV channels. The application or addition of the Westbury Model CV-2 does not in any way affect the present customers facilities and is available to him strictly at his option for extended use of his present TV receiver, with an additional revenue to the operator of the TV System. The Westbury Model CV-2 At-The-Set-Converter was designed as a companion piece for the Westbury Model ABB-2 Sub-Channel Broad Band Amplifier; however, it can be used in any existing system where Sub-Channels can be handled by the present amplifiers such as distributed types (Chain Amplifiers) similar to the Westbury Model ABB-5. The CV-2 can also be used with existing Strip Amplifier Systems by the addition of Sub-Channel Strips, such as the Westbury Model AL. The CV-2 is AC operated with a power transformer and shuts off and turns on automatically when the TV set is operated.

### FEATURES:

- Economy of operation
- Excellent stability
- Self-contained power supply
- Power transformer for line isolation
- Automatic on-off switch operated by TV set
- Screwdriver frequency adjustment

### SPECIFICATIONS:

- Bandwidth—24.5—42.5 mc input; 174—192 mc output; and 54-88 mc straight thru
- Gain—Unity
- Oscillator—self excited
- Input and output impedance—75 ohms
- Input level—300 microvolts min.
- Rectifier—selenium
- Power—115V AC (60 cycles) 12 watts
- Vacuum tube complement—1—6U8
- Size 4 7/8" x 2 3/8" x 4 1/2"
- Weight 1 3/4 lbs.
- Finish—Golden Hammertone

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PRICE  
LIST

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EFFECTIVE 1 JANUARY 1957

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

| <u>Model No.</u> | <u>Description</u>  | <u>Net Prices</u> |
|------------------|---|-------------------|
| AL               | Line Amplifier, Strip only (specify channel)  | 140.00            |
| AL-3             | Line Amplifier for 3 channel operation (specify channels) includes three AL Line Amplifiers, one MD-3 Main Deck, one Cable Set, one A107 Termination, one PS-3 Power Supply.  | 585.00            |
| AL-5             | Line Amplifier 5 channel operation (specify channels) includes five AL Line Amplifiers, one MD-5 Main Deck with input and output cross-over filter networks and test points, one cable set, two A107 Terminations, and one PS-5 Power Supply. | 895.00            |
| AB-1             | Bridging Amplifier  | 75.00             |
| AB-2             | Bridging Amplifier  | 59.00             |
| ABB-1            | Broad-Band Amplifier  | 285.00            |
| SO               | Substitution Oscillator, Strip only (specify channel)   | 175.00            |
| SO-3             | Substitution Oscillator for 3 channel operation (specify channel) includes three SO substitution oscillators, one MD-3 Main Deck and one PS-3 Power Supply.   | 676.00            |
| SO-5             | Substitution Oscillator for 5 channel operation (specify channels) includes five SO substitution oscillators, one MD-5 Main Deck, one PS-5 Power Supply.  | 1059.00           |

*The Royalty of TV Systems . . .*



| <u>Model No.</u> | <u>Description</u>  | <u>Net Prices</u> |
|------------------|---|-------------------|
| AP-1             | Pole Mounted Preamplifier (specify channel)               | 76.00             |
| CV-1             | Cascode Converter (specify channels)                      | 158.00            |
| PS-3             | Power Supply for 3 channel operation (selenium rectifier) | 98.00             |
| PS-5             | Power Supply for 5 channel operation (tube rectifier)     | 98.00             |
| MD-3             | Main Deck for 3 channel operation                         | 53.00             |
| MD-5             | Main Deck for 5 channel operation                         | 86.00             |

Guarantee:

The Westbury De Luxe Line of TV System Equipment is designed for Continuous Commercial Service and is guaranteed for a period of one full year from date of purchase (vacuum tubes not included). Westbury Electronics Inc. will repair or replace at our option any and all equipment that fails in service within this guarantee period if the unit is returned to us prepaid for our examination and does not disclose that the unit has been mechanically or electrically mishandled, used other than specified, or subjected to other than normal weather operating conditions.

|      |   |       |
|------|---|-------|
| PF-1 | Power Line filter, 4 outlet, no arresters.                  | 17.00 |
| PF-2 | Power Line filter, 4 outlet, 1 arrester                     | 21.00 |
| PF-3 | Power Line Filter, 4 outlet, 2 arresters                    | 25.00 |
| LS-1 | Two way line splitter for RG-59/U cable                     | 3.90  |
| LS-2 | Four way line splitter for RG-59/U cable.                   | 5.50  |
| LS-3 | Two way line splitter for RG-11/U cable.                    | 5.90  |
| LS-4 | Four way line splitter for RG-11/U cable.                   | 8.50  |
| WB-1 | Matching Transformer  | 2.70  |
| WB-2 | Matching Transformer complete with Westbury A102 connector. | 3.00  |



| Model No.  | Description   | Net Prices   |           |           |           |           |           |           |           |           |           |           |  |         |
|------------|---|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|---------|
| A101       | RG-6/U Connectors   | 1-49 .46<br>50-99 .44<br>100-499 .41<br>500 over .34 |           |           |           |           |           |           |           |           |           |           |  |         |
| A102       | RG-59/U Connectors  | 1-49 .40<br>50-99 .37<br>100-499 .34<br>500 over .29 |           |           |           |           |           |           |           |           |           |           |  |         |
| A103       | RG-59/U to RG-59/U  | .50  |           |           |           |           |           |           |           |           |           |           |  |         |
| A104       | RG-59/U to RG-11/U  | 1.55   |           |           |           |           |           |           |           |           |           |           |  |         |
| A106       | Chassis Connector   | 1-49 .42<br>50-99 .39<br>100-499 .36<br>500 over .30 |           |           |           |           |           |           |           |           |           |           |  |         |
| A107       | 75 Ohm terminations for RG-59/U   | 1-49 .84<br>50-99 .82<br>100 over .80                |           |           |           |           |           |           |           |           |           |           |  |         |
| EA         | Equalizer Attenuator  | 6.00 ea.   |           |           |           |           |           |           |           |           |           |           |  |         |
| PT-1       | Pressure Tap Off Complete less attenuator (for RG-11/U single shielded cable.   | 1.50   |           |           |           |           |           |           |           |           |           |           |  |         |
| PT-2       | Pressure Tap Off Complete less attenuator (for RG-11/U double shielded double jacketed cable.   | 1.50   |           |           |           |           |           |           |           |           |           |           |  |         |
| PT-3       | Pressure Tap Off Complete Less attenuator (for 1/2" cable with either foam dielectric or solid) attenuation inserts for PT-1 and PT-2 and PT-3 order as follows:  | 1.50   |           |           |           |           |           |           |           |           |           |           |  |         |
|            | <table><tr><th>CAPACITIVE</th><th>RESISTIVE</th></tr><tr><td>PI-1 11db</td><td>PI-A 15db</td></tr><tr><td>PI-2 17db</td><td>PI-B 20db</td></tr><tr><td>PI-3 22db</td><td>PI-C 25db</td></tr><tr><td>PI-4 27db</td><td>PI-D 30db</td></tr><tr><td>PI-5 41db</td><td></td></tr></table> | CAPACITIVE   | RESISTIVE | PI-1 11db | PI-A 15db | PI-2 17db | PI-B 20db | PI-3 22db | PI-C 25db | PI-4 27db | PI-D 30db | PI-5 41db |  | 2.25 ea |
| CAPACITIVE | RESISTIVE   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| PI-1 11db  | PI-A 15db   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| PI-2 17db  | PI-B 20db   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| PI-3 22db  | PI-C 25db   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| PI-4 27db  | PI-D 30db   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| PI-5 41db  |   |  |           |           |           |           |           |           |           |           |           |           |  |         |
| CT-1       | Coring Tool Set for PT-1 and PT-2 (RG-11/U single shielded cable or RG-11/U double shielded double jacketed cable)  | 1.95 ea  |           |           |           |           |           |           |           |           |           |           |  |         |
| CT-3       | Coring Tool Set for PT-3 (1/2" Aluminum cable with either solid or foam dielectric)   | 3.50 ea  |           |           |           |           |           |           |           |           |           |           |  |         |



Model No.DescriptionNet Prices

|     |  |         |
|-----|--|---------|
| T-1 | Tap Off complete (specify attenuation) | 3.50 ea |
|-----|--|---------|

Attenuator Cartridges only order as follows:

|               |         |
|---------------|---------|
| Black - 12 db |         |
| Green - 15 db | 2.50 ea |
| Yellow- 18 db |         |
| Red - 23 db   |         |
| Brown - 33 db |         |

|       |                            |       |
|-------|----------------------------|-------|
| 1220A | 75 Ohm Variable Attenuator | 47.60 |
|-------|----------------------------|-------|

|      |                            |       |
|------|----------------------------|-------|
| 1220 | 50 Ohm Variable Attenuator | 49.00 |
|------|----------------------------|-------|

All prices f.o.b. Westbury, New York  
Terms - 2% 10 days, net 30 days



Net Sales

Quantity

Total No.

1.50 ea

The 200 complete (Specialty Aluminum)

1-1

Aluminum Containers only order as follows:

7.50 ea

Black - 10 ea

Green - 10 ea

Yellow - 10 ea

Red - 10 ea

White - 10 ea

27.50

10 One Pintable Aluminum

1000

42.00

50 One Pintable Aluminum

1000

All orders to be shipped by air, New York  
Terms - 10 days, net 30 days



