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## TIBA Series CATV Distribution Amplifiers

| Model | Bandwidth |
| :---: | :---: |
| TIBA-40-1220 | $5-42 \mathrm{MHz} / 54-1220 \mathrm{MHz}$ |
|  | $5-85 \mathrm{MHz} / 102-1220 \mathrm{MHz}$ | C

The Toner two way apartment house type amplifiers with active return are broadband indoor GaAs Hybrid, high output level distribution amplifiers designed for 1.22 GHz RF distribution systems such as those in Cable Television Apartments, Hotels, Hospitals and other,applications where a high-quality, low noise figure amplifier is necessary to amplify the signals in both the forward and return paths.

These are all designed with flat operational gain of 40 dB in the forward bandwidth and 25 dB in the reverse bandwidth. TIBA-40-1220 has sockets for plug-in controls of forward input stage control, balancing and return control at output stages. Forward path has also inter-stage variable gain and equalizer controls.

The amplifiers are powered by a plug-in wall type 24 VDC power transformer.

## FEATURES

- 1.22 GHz forward bandwidth
- GaAs Power Doubler Hybrid for high output levels with low distortions
- Active GaAs pHEMT Reverse
- Gain and equalization controls
- Aluminum chassis designed for excellent heat dissipation
- Surge protection at all ports
- UL and CE listed power transformers


Figure 1 - Block Diagram

TIBA Series (1.22 GHz) Instruction Manual

## INSTALLATION CAUTION NOTES

1. Connect only to power adapter supplied with the amplifier. AC connection must be applied after all RF connections are done.
2. Do not short power supply terminals, else protective fuse inside of sealed power supply case will become open.
3. To access Amplifier Plug-in Pad and Equalizers, remove the front cover. After setting the Levels, replace the cover for safety and to prevent signal interference.


Figure 2 - Module \& controls layout

## SPECIFICATIONS



NOTES:
(1) Band selection by on-site plug-in diplex filters.
(2) Universal JXP style pads.
(3) Universal JXP style plug-in equalizer pads.

