

# VHF/FM/UHF Distribution Amplifiers

ZTA Series

**HD  
READY!**



ZTA-15



ZTA-25



ZTA-35



ZTA-45

The ZTA Series are distribution amplifiers, designed for off-air applications in MATV, SMATV, and Wireless Cable systems. These very affordable split band amplifiers provide high output capability with low noise contribution. Four gain models are available for VHF, FM, and UHF signal reception to fit most systems.

## Features & Benefits

- VHF/FM/UHF Distribution Amplifiers
- Models Available with Gains of 15, 25, 35 and 45 dB
- Wide Dynamic Range
- High Output Capability
- Low Noise Figure
- Switchable FM Traps (not on ZTA-15) Protect Against Strong Local FM Stations

## Specifications

| RF                                                    | ZTA-15                                      | ZTA-25                                  | ZTA-35                                     | ZTA-45                                     |
|-------------------------------------------------------|---------------------------------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|
| Frequency Range (MHz):                                | 54-220<br>470-900                           | 54-216<br>470-890                       | 54-216<br>470-890                          | 54-216<br>470-890                          |
| Flatness (dB):                                        | ±1.00                                       | ±1.0 (LB/FM)<br>±1.5 (HB)<br>±4.0 (UHF) | ±0.50 (LB/FM)<br>±0.75 (HB)<br>±1.50 (UHF) | ±0.50 (LB/FM)<br>±0.75 (HB)<br>±1.50 (UHF) |
| Gain (dB):                                            | 15 (50-220)<br>12 (470-800)<br>10 (800-900) | 25 (LB/FM)<br>22 (HB)<br>18 (UHF)       | 36 (LB/FM)<br>35 (HB)<br>37 (UHF)          | 45 (LB/FM)<br>45 (HB)<br>43 (UHF)          |
| Noise Figure (dB):                                    | 3.0 (VHF)<br>4.0 (UHF)                      | 5.0 (VHF)<br>7.0 (UHF)                  | 6.0 (LB/FM)<br>7.0 (HB)<br>6.2 (UHF)       | 7.0 (LB/FM)<br>7.5 (HB)<br>5.0 (UHF)       |
| Output Level - Max<br>VHF 7 ch.,<br>UHF 4 ch. (dBmV): | +44                                         | +45                                     | +49                                        | +54                                        |
| Gain Control Range (dB):                              | -                                           | -                                       | 18                                         | 18                                         |
| FM Trap Depth<br>(95-108 MHz) (dB):                   | -                                           | -25                                     | -18                                        | -20                                        |
| <b>General</b>                                        |                                             |                                         |                                            |                                            |
| Power Requirements                                    |                                             |                                         |                                            |                                            |
| Voltage (VAC):                                        | 117, ±10%                                   | 117, ±10%                               | 117, ±10%                                  | 117, ±10%                                  |
| Frequency (Hz):                                       | 60                                          | 60                                      | 60                                         | 60                                         |
| Power (W):                                            | 4.2                                         | 3.0                                     | 9.0                                        | 15.0                                       |
| Temperature Range (°C):                               | 0 to 50                                     | 0 to 50                                 | 0 to 50                                    | 0 to 50                                    |
| <b>Mechanical</b>                                     |                                             |                                         |                                            |                                            |
| Dimensions (L x W x D):                               |                                             |                                         |                                            |                                            |
| in.                                                   | 3.25 x 1.5 x 4.9                            | 5.9 x 3 x 1.6                           | 11.9 x 5.2 x 1.75                          | 19 x 5.2 x 2.6                             |
| mm                                                    | 83 x 38 x 124                               | 149 x 76 x 41                           | 302 x 133 x 44                             | 483 x 133 x 67                             |
| Weight:                                               |                                             |                                         |                                            |                                            |
| lbs.                                                  | 0.75                                        | 1.5                                     | 3.25                                       | 7.0                                        |
| kg                                                    | 0.34                                        | 0.68                                    | 1.48                                       | 3.18                                       |

## Ordering Information

| Model  | Stock No. | Description                                                           |
|--------|-----------|-----------------------------------------------------------------------|
| ZTA-15 | 1466      | Broadband VHF/FM/UHF Distribution Amplifier 16 dB, 54-220/470-900 MHz |
| ZTA-25 | 1463      | Broadband VHF/FM/UHF Distribution Amplifier 25 dB, 54-216/470-890 MHz |
| ZTA-35 | 1464      | Broadband VHF/FM/UHF Distribution Amplifier 36 dB, 54-216/470-890 MHz |
| ZTA-45 | 1465      | Broadband VHF/FM/UHF Distribution Amplifier 45 dB, 54-216/470-890 MHz |