

# CVA Series Power Amplifier

The sub compact CVA-25-1 and CVA-50-1 are built to meet the rigorous demands of high quality commercial, industrial and Pro Audio sound installations. Low cost, lightweight and convection cooling make this Class D amplifier flexible enough for a broad range of applications requiring quiet amplification. With an extremely compact form factor, the CVA's allow amplification to be located in places normally off limits to standard amplifiers without compromising sound or power. The Plenum rating (UL 2043) and remote volume control further compliment the recessing options. Our Signal Sense Power Technology™ (SSPT™) ensures the amplifier is only powered when there is a signal present, saving energy and extending product life. Like all Stewart products, the CVA's are designed for sonic accuracy, high efficiency and extended duty cycles.



**STEWART AUDIO**  
The Difference is Hear

## CVA's

CVA-25-1 25W x 1 70V/100V

CVA-50-1 50W x 1 70V/100V

### Features:

- Sub Compact 1/4 rack package
- Mono constant voltage amplifier (70V or 100V)
- Music and fire alarm muting
- Clean full-range dynamic power
- Signal Detect trigger for sleep & wake up
- Remote volume control
- Multiple mounting options
- External inline power supply
- Made in the USA

### Applications:

- Boardrooms & classrooms
- AV projection systems
- Lecterns and Podiums
- Plenum applications, UL 2043 rated
- Pole mounting option
- Fixed installations with amplifiers located in listening environment
- Behind flat screen televisions
- Applications where traditional amplifiers won't fit

# CVA Series

CVA-25-1 25W x 1 70V/100V

CVA-50-1 50W x 1 70V/100V

## Specifications

|   |   |
|---|---|
| CVA-25 X 1 70V/100V                       | 25 W  |
| CVA-50 X 1 70V/100V                       | 50 W  |
| Frequency Response (+0, -3 dB)            | 100 Hz—20 kHz                                       |
| Power Bandwidth (+3, -3 dB)               | 80 Hz—30 kHz  |
| THD+N                                     | <.1% @ Full Power                                   |
| Signal-to-Noise Ratio                     | >80dB   |
| Remote Volume Control                     | 0-10V DC, 4 Pin Euro Block                          |
| Input Sensitivity                         | .5V (-3 dBV)  |
| Standard Voltage Gain                     | 151X (43dB) @ 70.7 Volts out                        |
| Input impedance (Balanced/Unbalanced)     | 20k Ohms/10k Ohms                                   |
| Sleep, Idle Current Draw , 1/8 power draw | 0.005/ 0.01/0.15 Amps                               |
| Class                                     | D   |
| Input Connectors                          | Euro Block 3 Pin, 3.5mm                             |
| Output Connectors                         | Euro Block 2 Pin, 5mm                               |
| Power Supply                              | External in-line 48VDC (Included), 2 pin Euro Block |
| Cooling                                   | Convection—Cooling (No Fans)                        |
| Controls                                  | Level   |
| LED Indicators                            | Power, Signal Present & Clip                        |
| Construction                              | Aluminum Chassis & Top Cover                        |
| Dimensions (height, width, depth)         | 1.25" H x 4.35" W x 3.2" D                          |
| Weight CVA-25/CVA-50                      | <.7 lbs (0.32 kg)/1.2 lbs (0.54 kg)                 |
| Warranty                                  | 3 years   |
| Plenum Rating                             | UL 2043 Approved                                    |



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