

# Technical Specifications

## V-1050C Bi-Directional Assembly Horn

- Built-in 5-Watt amplifier and volume control
- One-way paging
- High impact ABS housing
- Omni-directional mounting base
- Wall or electrical box mount
- Operates on -24 Vdc power supply
- I-Beam clamp Included
- Quick and easy installation
- Indoor/outdoor use



*Self-amplified one-way  
5-Watt*

### Description:

The V-1050C Bi-Directional Horn is a dual opposing horn that allows you to position the horns to a specific area. The V-1050C consists of two horn speakers positioned on a common mounting frame with a built-in one-way 5 Watt amplifier. The bi-directional horn assembly is ideal for indoor or outdoor environments such as long narrow aisles, corridors and walkways, warehouses, parking lots, loading docks and stadiums.

## SPECIFICATIONS

### INPUT

**Impedance:** 600 Ohms (1 kHz at rated output)

### SOUND PRESSURE LEVELS

113 dB measured at 4ft (1.22m) on axis with a -10dBm input at 1 kHz

### POWER REQUIREMENTS

**Power supply:** -24 Vdc nominal, positive ground  
**Operating current:** 300 mA at -24 Vdc

### FREQUENCY RESPONSE

275 Hz to 14 kHz

### AMPLIFIER MODULE

**Rated output:** 5 Watts RMS  
**Output load:** 8 Ohms input

### DISPERSION

120° horizontal and 90° vertical

### ENVIRONMENT

**Temperature:** -4 to +131 °F (-20 to +55 °C)  
**Humidity:** 0 to 95% non-condensing

### HOUSING AND FINISH

**Horn:** high impact ABS plastic

### DIMENSIONS AND WEIGHT

9.60in H x 8.20in W x 9.30in D  
(24.38cm x 20.83cm x 23.62cm)  
**Weight:** 6.30lbs (2.84kg)  
**Shipping Weight:** 10.40lbs (4.68kg)

### MOUNTING

Vertical or horizontal mounting. Detachable base for wall or electrical box mounting

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## ARCHITECTS AND ENGINEERS

The Bi-Directional Horn Assembly, model V-1050C, shall be a high-efficiency horn equipped with two horn speakers positioned on a common mounting frame, an amplifier and externally accessible volume control. It shall include a detachable base for wall or single, double or octagon electrical box mounting. An I-beam mounting clamp shall also be provided.

The V-1050C Bi-Directional Horn frequency response shall be 275 Hz to 14 kHz. Dispersion shall be 120° horizontal and 90° vertical. Sound pressure level shall be 113 dB measured at 4ft (1.22m) on axis with an input to the amplifier module being -10 dBm at 1 kHz. Rated output shall be 5-Watts RMS. Output load shall be 8 Ohms. Input impedance shall be 600 Ohms nominal.

The V-1050C Bi-Directional Horn amplifier shall operate on a -24

Vdc nominal, positive ground power supply. Operating current shall be 300 mA at -24 Vdc. Operating temperature shall be -4 to 131 °F (-20 to 55 °C). Operating humidity shall be 0-95% non-condensing.

The V-1050C Bi-Directional Horn shall be constructed of high impact ABS plastic. The finish shall be beige with brown accent. The Bi-Directional Horn shall be suitable for indoor and outdoor applications.

The maximum dimensions shall be: 9.60in H x 8.20in W x 9.30in D (24.38cm x 20.83cm x 23.62cm). Weight shall be approximately: 6.30lbs (2.84kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).