

# Technical Specifications

## V-1023C Woodgrain Wall Speaker

- Paging, emergency alerts and tones
- One-way paging
- Utilizes standard CAT 3, 5, or 6 cable
- Excellent voice and music reproduction
- Externally accessible volume control
- Electrically, acoustically matched components
- Attractive walnut finish
- Quick and easy installation
- Indoor use only



*Self-amplified one-way*

### Description:

The V-1023C Woodgrain Wall Speaker is a one-way angled wall mounted speaker that is the perfect choice for high quality voice paging and emergency alerts for indoor areas. Includes a mounting bracket for quick and easy installation.

## SPECIFICATIONS

### SPEAKER ELEMENT

Cone Diameter: 8.00in (20.32cm)  
Voice Coil Impedance: 45 Ohms

### INPUT

Impedance: > 600 Ohms nominal  
Signal Level: -15 dBm line level

### OUTPUT

Rating: > 96 dB @ 4ft (1.22m)  
Signal/Noise Ratio: -70

### POWER REQUIREMENTS

50 mA @ -24 Vdc

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### MAGNET

Cone type with 5oz (142g) ceramic magnet

### ENVIRONMENT

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

### HOUSING AND FINISH

Baffle constructed of 0.50in (1.27cm) particle board, covered with dark with walnut vinyl with matching dark brown cloth grille.

### DIMENSIONS AND WEIGHT

9.60in H x 11.59in W x 4.20in D  
(24.38cm x 29.21cm x 10.67cm)

Weight: 4.10lbs (1.85kg)

Shipping Weight: 6.50lbs (2.93kg)

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## ARCHITECTS AND ENGINEERS

The Woodgrain Wall Speaker, model V-1023C, shall consist of a 45 Ohm speaker, amplifier, volume control, angled baffle and mounting bracket.

The V-1023C Woodgrain Wall Speaker housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The V-1023C Woodgrain Wall Speaker element shall be cone type with 5oz (142g) ceramic magnet. Diameter of speaker cone shall be 8.00in (20.32cm). Voice coil diameter shall be 0.75in (1.91cm). Voice coil impedance shall be 45 Ohm.

The V-1023C Woodgrain Wall Speaker amplifier shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1-Watt RMS. Signal-to-noise ratio shall be -70 dB. The amplifier shall operate on a -24 Vdc nominal, positive ground power supply.

The V-1023C Woodgrain Wall Speaker operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C).

The V-1023C Woodgrain Wall Speaker baffle shall be constructed of 0.50in (1.27cm) particle board covered with dark walnut vinyl with matching dark brown cloth grille. A screwdriver adjustable volume control shall be provided on the unit. This volume control shall be externally accessible, making it possible to adjust volume level of speaker without removal of unit. The V-1023C shall be suitable for indoor applications.

The maximum dimensions shall be: 9.60in H x 11.59in W x 4.20in D (24.38cm x 29.21cm x 10.67cm). Weight shall be approximately: 4.10lbs (1.85kg).

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