

# Technical Specifications

## VSA-1020C Cone Speaker Assembly

- Paging, emergency alerts and tones
- One-way paging
- High quality audio
- 8-inch 24 Volt
- Indoor use only

### Description:

The VSA-1020C Cone Speaker Assembly is the perfect choice for high quality voice paging, communication and emergency alerts for indoor areas. It can be mounted in a variety of faceplates and backboxes to meet your needs.



*Self-amplified one-way  
24 Volt*

## 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 16 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

### DIMENSIONS AND WEIGHT

8.00in Dia X 2.25in D  
(20.30cm x 5.70cm)  
**Weight:** 1.70lbs (0.77kg)  
**Shipping Weight:** 4.50lbs (2.03kg)

### ACCESSORIES

V-936480 Square Grille Faceplate  
VB-S11 Square Surface Mount Backbox (Metal)  
VB-R12 Square Flush Mount Backbox (Metal)  
VB-A13 Square Angled Mount Backbox Metal

## ARCHITECTS AND ENGINEERS

The Cone Speaker Assembly, model VSA-1020C, shall include a speaker, amplifier, and volume control.

The VSA-1020C Cone Speaker Assembly element shall include a 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 ohms. The VSA-1020C 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 VSA-1020C amplifier shall operate on a -24 Vdc nominal power supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C). the VSA-1020C shall be suitable for indoor applications.

The maximum dimensions shall be: 8.00in Dia x 2.25in D (20.30cm x 5.70cm). Weight shall be approximately: 1.70lbs (0.77kg).

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

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