

# SHURE®

## GENERAL

The Model 579SB is designed to provide natural and intelligible voice reproduction with freedom from annoying wind and breath noises. This slim, neat-appearing microphone is a very rugged unit built to withstand the severest field use. The performance, small size, and ruggedness make the Vocal Sphere an ideal choice for public address, theater-stage sound systems, meeting rooms, recording, and other field and studio applications.

### Features:

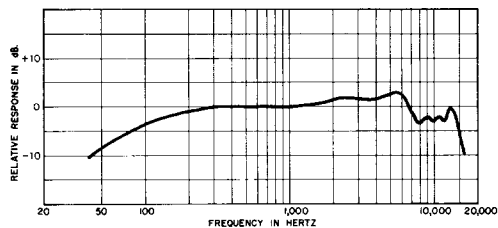
- Smooth, natural-sounding response from 50 to 14,000 Hz
- Slender design, lightweight, well balanced for hand use
- Built-in wind and "pop" filter to minimize breath and wind noise
- Built-in On-Off switch with lockplate to lock switch in On position
- Rugged construction for completely dependable operation under all conditions
- Versatility—equally useful in the field, stage, or studio—handheld, or on a stand

The Model 579SB Microphone is supplied with an adjustable swivel adapter to fit a 5/8"-27 thread. This swivel permits "quick-disengage" for use as a hand-held microphone.

The Model 579SB is low impedance for connection to microphone inputs rated at 19 to 300 ohms. For use with high-impedance amplifiers, a Shure Model A95 Series Line Matching Transformer is available for coupling the low-impedance line to the amplifier input. Model 579SB-LC is supplied without cable.

## SPECIFICATIONS

Type  
Dynamic



TYPICAL FREQUENCY RESPONSE  
FIGURE 1

## MODEL 579SB VOCAL SPHERE OMNIDIRECTIONAL DYNAMIC MICROPHONE



### Frequency Response

50 to 14,000 Hz (see Figure 1)

### Polar Pattern

Omnidirectional

### Impedance

Microphone rating impedance is 150 ohms (200 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms

### Output Level (at 1,000 Hz)

Open circuit voltage . . . . . - 78.5 dB\* (0.13 mV)

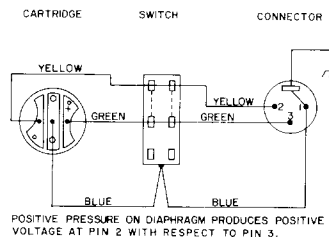
Power level . . . . . - 57.0 dB\*\*

\*0 dB = 1 volt per microbar

\*\*0 dB = 1 milliwatt per 10 microbars

### Phase

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3



INTERNAL CONNECTIONS  
FIGURE 2

### Switch

Built-in On-Off switch with lockplate furnished. Shipped with lockplate installed. To lock switch in On position, place in On position, loosen screw on lockplate, and turn lockplate 180°. Retighten screw

### Swivel Adapter

Snap-in positive-action, adjustable from 0° to 90°, with standard 5/8"-27 thread

MODEL 579SB VOCAL SPHERE  
OMNIDIRECTIONAL DYNAMIC MICROPHONE

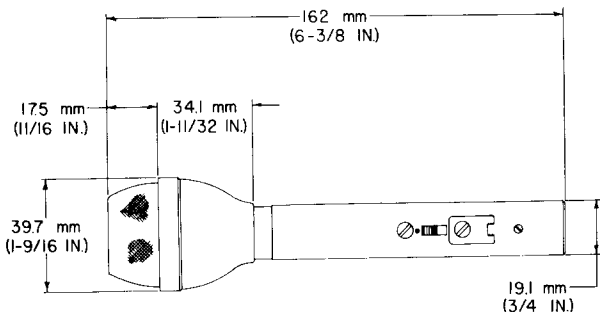
**SHURE®**

**Case**

Champagne beige finish with platinum beige grille

**Dimensions**

See Figure 3



**OVERALL DIMENSIONS  
FIGURE 3**

**Net Weight** (less cable)

156 grams (5½ oz)

**Packaged Weight**

387 grams (13½ oz)

**PHASING**

To test two microphones and/or their cables for proper phasing, connect them to an amplifier and talk or sing into them while holding them three or four inches apart. The sound from the speakers should be the same when talking into either microphone or directly between them if they are in phase with each other. If the sound drops drastically, or if a dead spot is found when talking between the two microphones, one of them or its cable (low impedance only) is out of phase. All cables and microphones should be tested in this manner to insure that they are in phase with each other.

To change the phase of a low-impedance microphone cable, either use a Shure A15PRS Phase Reverser or in-

terchange the wires connected to pins 2 and 3 of the connector. To change the phase of a microphone, the microphone cartridge leads must be interchanged (see Figure 2). This should be performed by your dealer, the Shure Factory Service Department, or other qualified service personnel.

**ARCHITECTS' SPECIFICATIONS**

The microphone shall be a moving-coil (dynamic) type with a frequency response of 50 to 14,000 Hz. The unit shall have an omnidirectional polar characteristic. The microphone rating impedance shall be 150 ohms for connection to microphone inputs rated at 19 to 300 ohms. The microphone output shall be -57.0 dB where 0 dB = 1 milliwatt per 10 microbars.

The microphone shall be equipped with a built-in On-Off switch. A swivel adapter, adjustable through 90° from vertical to horizontal and suitable for mounting on a stand having a 5/8"-27 thread, shall also be provided. The overall dimensions of the microphone shall be 162 mm (6¾ in.) in length and 39.7 mm (1-9/16 in.) in diameter.

The microphone shall be a Shure Model 579SB or equivalent.

**FURNISHED ACCESSORY**

Swivel Adapter ..... A57D

**OPTIONAL ACCESSORIES**

- Line Matching Transformer ..... A95 Series
- Windscreen ..... A58WS
- Desk Stand ..... S37A, S39A
- Isolation Mount ..... A53M, A53HM
- Cable (6.1m - 20 ft) ..... C20H
- Cable (6.1m - 20 ft, mic connector only) ..... C20D

**REPLACEMENT PARTS**

- Dynamic Cartridge ..... R50
- Screen and Grille Assembly ..... RK221G
- Switch Assembly ..... RK89S