



GENERAL

The Shure SM51 is a small dynamic lavalier microphone designed for use in television, motion pictures, radio, and similar applications in which a small, wearable microphone of professional quality is required.

Features:

- Frequency response optimized for lavalier use-provides excellent acoustic match with hand-held, stand- or desk-mounted microphones
- Small size, lightweight
- Positive-locking lavalier holder with adjustable clothing clip
- Smooth exterior contours and recessed grille for minimum clothing noise
- Rugged construction-steel case for strength and magnetic shielding
- Cable field-replaceable without soldering

The versatile "Positive-Lock" lavalier holder provides simple, noiseless adjustment of microphone position and holds the microphone firmly in the selected position. A belt clip is also provided to permit attaching the cable at the waistband to relieve cable weight and pull, absorb sudden tugs on the cable, and minimize cable noise.



LAVALIER ASSEMBLY AND BELT CLIP
FIGURE 1

To wear microphone: Slide microphone through opening in lavalier assembly (Figure 1). While pushing "cord lock" plunger on right side of lavalier assembly, slide cord into slot -adjust cord length and release plunger. Engage shirt or blouse with clip. The clip may be installed on lavalier assembly for right or left side opening or for vertical "pen clip" use; or may be removed by sliding clip out of slotted retainer.

MODEL SM51

DYNAMIC LAVALIER MICROPHONE



To remove microphone: Disengage clip - push "cord lock" plunger and remove cord from lavalier assembly slot.

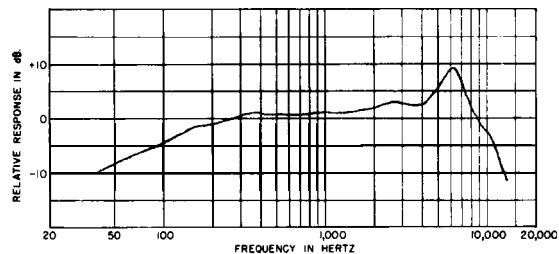
SPECIFICATIONS

Type

Dynamic

Frequency Response

From 70 to 12,000 Hz. Rising characteristic to 6,000 Hz (see Figure 2)



TYPICAL FREQUENCY RESPONSE
FIGURE 2

Polar Pattern

Omnidirectional

Impedance

Microphone rating impedance is 150 ohms (190 ohms actual) for connection to microphone inputs rated at 19 to 300 ohms.

Output Level (at 1,000 Hz)

Open Circuit Voltage* -81.5 dB (0.08 mV)
Power Level** -60.5 dB

* 0 dB = 1 volt per microbar

** 0 dB = 1 milliwatt per 10 microbars

SHURE
MODEL SM51
DYNAMIC LAVALIER MICROPHONE

Phasing

Positive pressure on diaphragm produces positive voltage at red lead

Cable

9.1 m (30 ft) two-conductor shielded, rubber-jacketed, nondetachable

Lavalier Assembly

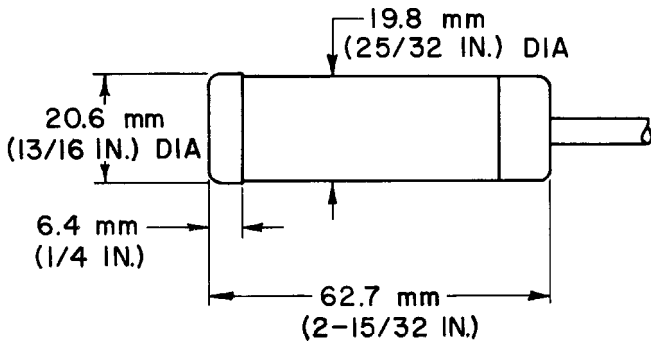
Positive lock, holds microphone securely, allows **easy** noiseless adjustment of position and instant removal for handheld use

Case

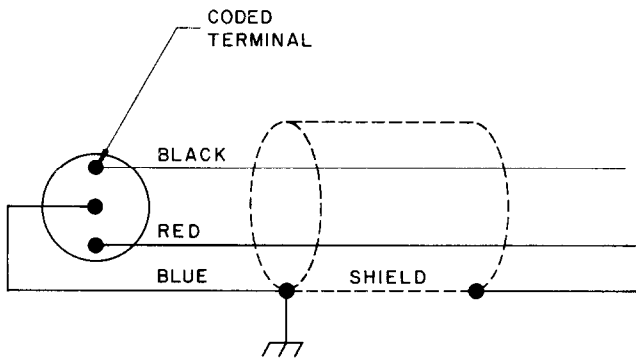
Nonreflecting gray enameled steel with stainless steel grille

Dimensions

See Figure 3



OVERALL DIMENSIONS
FIGURE 3



INTERNAL CONNECTIONS
FIGURE 4

Net Weight (less cable)

58 grams (2 oz)

Packaged Weight

780 grams (1 lb, 11½ oz)

FURNISHED ACCESSORIES

- Lavalier Assembly A51L
- Belt Clip 90DT1371

OPTIONAL ACCESSORIES

- Swivel Adapter A57E
- Desk Stand S33P

REPLACEMENT PARTS

- Cartridge (head assembly) 90A1230
- Cable 70A2055

ARCHITECTS' SPECIFICATIONS

The microphone shall be a moving coil (dynamic) type with a frequency response of 70 to 12,000 Hz. The unit shall have an omnidirectional polar characteristic. The microphone shall be low impedance with a rated impedance of 150 ohms for connection to microphone inputs rated at 19 to 300 ohms. The microphone output shall be -60.5 dB where 0 dB = 1 milliwatt per 10 microbars.

The microphone shall be equipped with a nondetachable 9.1m (30 ft) two-conductor shielded cable. The microphone shall be provided with a lavalier cord and clip assembly for use as a wearable microphone.

The overall dimensions of the microphone shall be 62.7 mm (2-15/32 in.) in length and 20.6 mm (13/16 in.) in diameter.

The microphone shall be the Shure Model SM51 or equivalent.

GUARANTEE

This Shure product is guaranteed in normal use to be free from electrical and mechanical defects for a period of one year from date of purchase. Please retain proof of purchase date. This guarantee includes all parts and labor. This guarantee is in lieu of any and all other guarantees or warranties, express or implied, and there shall be no recovery for any consequential or incidental damages.

SHIPPING INSTRUCTIONS

Carefully repack the unit, have it insured, and return it prepaid to:

Shure Brothers Incorporated
Attention: Service Department
222 Hartrey Avenue
Evanston, Illinois 60204

If outside the United States, return the unit to your dealer or Authorized Shure Service Center for repair. The unit will be returned to you prepaid.