GENERAL

The Shure SM51 is a small dynamic lavaliere 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 lavaliere use—provides excellent acoustic match with hand-held, stand- or desk-mounted microphones
- Small size, lightweight
- Positive-locking lavaliere 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” lavaliere 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.

MODEL SM51
DYNAMIC LAVALIER MICROPHONE

To remove microphone: Disengage clip - push “cord lock” plunger and remove cord from lavaliere assembly slot.

SPECIFICATIONS

Type
Dynamic

Frequency Response
From 70 to 12,000 Hz. Rising characteristic to 6,000 Hz (see 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

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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

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 9.1 m (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.