



# Velocity Microphone

## TYPE 44-BX

MI-4027-H, -J, -K

### TECHNICAL DATA

#### Output Impedance

30, 150 or 250 ohms (connected for 250 ohms when shipped)

#### Recommended Load Impedance

Unloaded input transformer

#### Effective Output Level at 1000 Cycles

-55 dbm\*

$G_M = 149$  db (RTMA rating)

#### Directional Characteristics

Bi-directional about horizontal and vertical axes (see figures 2 and 3)

#### Frequency Response

See figure 4.

#### Hum Pickup \*\*

-115 dbm (terminal-board link in M position)

#### Finish

TV gray and satin-chrome

#### Dimensions and Weight

Length - 12 inches (including mounting)

Width - 4-5/8 inches

Depth - 3-1/8 inches

Weight - 8 pound 10 ounces (unpacked)

#### Cable

3-conductor shielded, MI-43B  
30 feet long, no plug

#### Mounting

1/2-inch straight pipe thread

\*Sound Pressure = 10 dynes/cm<sup>2</sup>

\*\*Hum Field =  $1 \times 10^3$  gauss

### DESCRIPTION

#### General

The Type 44-BX Velocity Microphones (MI-4027-H, -J and -K) are high-fidelity microphones of the ribbon type that are specially designed for broadcast studio use. They are constructed to withstand mechanical shocks, and to retain sensitivity and frequency response regardless of changes in temperature, humidity and barometric pressure. Their essentially flat frequency response (50 to



Figure 1 - Type 44-BX Microphone