# Dynamic Microphone

## Features:

- Frequency response tailored for vocals, with brightened midrange and bass roll off.
- Uniform cardioid pickup pattern isolates the main sound source and minimizes background noise.
- Pneumatic shock-mount system cuts down handling noise.
- Effective, built-in spherical wind and pop filter.
- Supplied with break-resistant stand adapter which rotates 180°.
- Legendary shure quality, ruggedness and reliability.

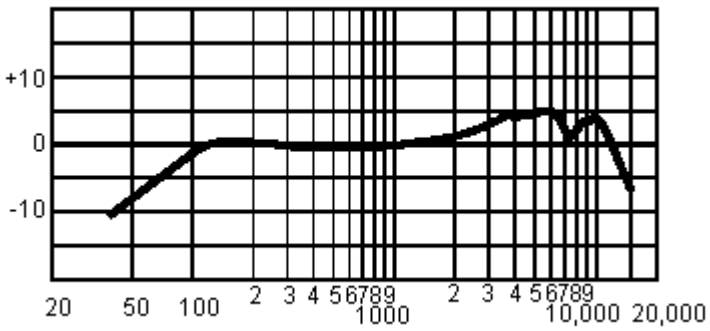
## Overview

The Shure SM58® is a unidirectional (cardioid) dynamic vocal microphone designed for professional vocal use in sound reinforcement and studio recording. A highly effective, built-in spherical filter minimizes wind and breath “pop” noise. A cardioid pickup pattern isolates the main sound source while minimizing unwanted background noise. The SM58 has a tailored vocal response for a sound which is a world standard. Rugged construction, a proven shock mount system, and a steel mesh grille ensure that even with rough handling, the SM58 will perform consistently, Outdoors or indoors, singing or speech - the SM58 is the overwhelming choice of professionals worldwide.

## Specifications:

| | |
|---|---|
| Type | : Dynamic (moving coil) |
| Frequency response | : 50 to 15,000Hz. |

## Typical Frequency Response

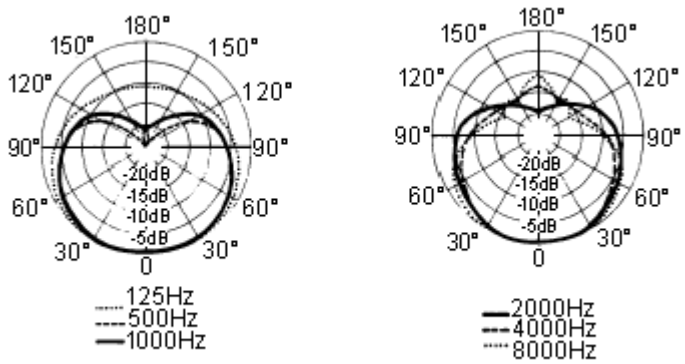



**Frequency in Hertz**

## Polar Pattern:

Unidirectional (cardioid), rotationally symmetrical about microphone axis, uniform with frequency.

## Typical Polar Patterns

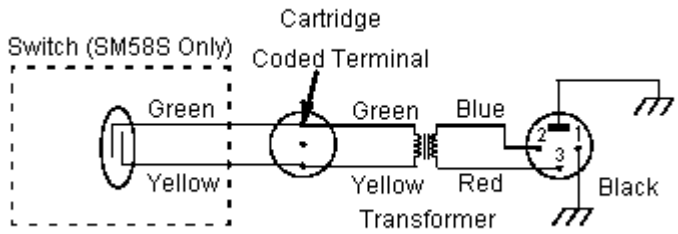



**Sensitivity:** (At 1000Hz open circuit voltage).
-54.5dBV/Pa (1.85mV).
1Pa = 94dB SPL.

**Impedance:**
Rated impedance is 150Ω (300Ω actual) for connection to microphone inputs rated low impedance.

**Polarity:**
Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3.

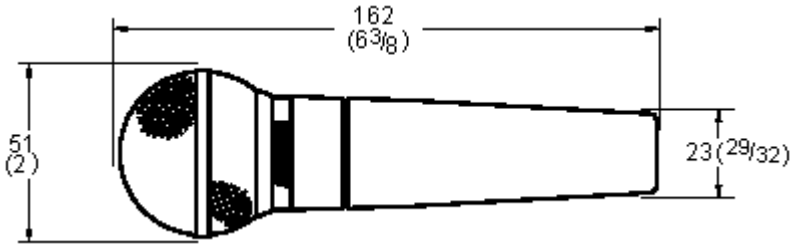
## Internal Connections




**Connector:**
Three-pin professional audio connector (male XLR type).

**Case:**
Dark grey, enamel-painted, die cast metal, matte-finished, silver coloured, spherical steel mesh grille.

## Overall Dimensions




Dimensions : Millimetres (Inches)

**Swivel Adapter:**
Positive-action, break-resistant, adjustable through 180°, with standard 5/8 inches to 27 thread.

## Part Number Table

| Description | Part Number |
|---|---|
| Shure Microphone | MP33511 |

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