

## ASTATIC 827A - Gooseneck Microphones



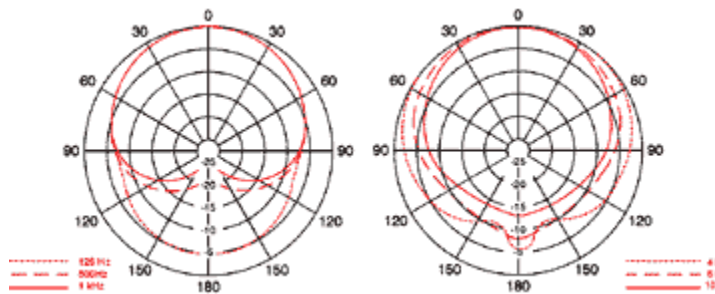
### Description

The **ASTATIC 827A** is a miniature electret condenser cardioid microphone, permanently attached to an ultra-slim gooseneck, with built-in circuitry for phantom powering. The **827A** has a controlled low frequency roll off, smooth mid-range, and slightly peaked upper range to give a "natural" sound in all applications requiring voice reproduction. A superior and uniform unidirectional pattern minimizes feedback, reverberation, off-axis coloration, background noise and placement problems.

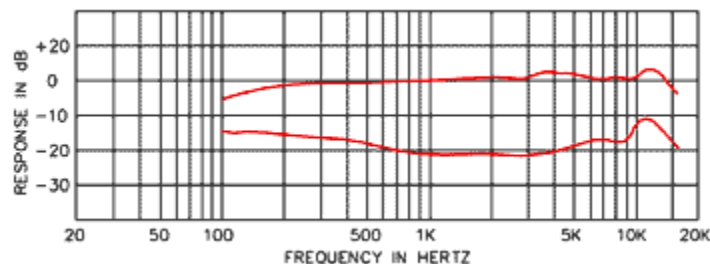
The **827A** has an extremely durable satin black finish and is available with a 17 inch gooseneck (model **827A-17**) or a 13 inch gooseneck (model **827A-13**). This unobtrusive gooseneck microphone, with a permanently charged diaphragm providing stability, long life and high impact strength, is ruggedly constructed to provide years of dependable service.

The **827A** is supplied with a miniature windscreen to control wind noise and breath "pop" during close talk situation and an A3M connector at the equipment end of the gooseneck.

Polar Pattern:



Frequency Response:



### Specifications

#### Generating Element:

Electret Condenser (Phantom Powered)

#### Polar Pattern:

Unidirectional Cardioid

#### Frequency Response:

100 Hz - 16 kHz

#### Output Level:

#### Power Level:

-53 dB (0 dB = 1 mW per 10 microbars)

#### Open Circuit Voltage:

-67 dB (0 dB = 1 volt per microbar)

4.5 mV/Pascal

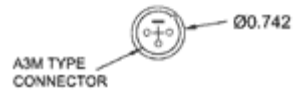
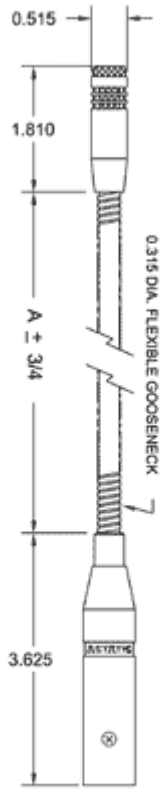
#### Output Impedance:

1000 Ohms (Balanced)

#### Front to Back:

20 dB

PART NO.	DIM. "A"
827A-13	13"
827A-17	17"



**Maximum SPL:**

131 dB (1% THD, open circuit)

**Signal to Noise Ratio:**

Above 40dB @ 1 microbar

**Powering:**

**Supply Voltage:**

9 - 52 Vdc

**Current Drain:**

.75 ma to 2.0 ma (operating voltage range)

**Connector**

A3M Type

**Finish:**

Satin Black

**Dimensions:**

(See drawing on other side)

**NET Weight:**

827-17, 184.3 grams (6 1/2 oz.)

827-13, 156 grams (5-1/2 oz.)