



# WL183M WL184M WL185M

Lavalier Condenser Microphone

The Shure lavalier condenser microphones, WL183M, WL184M, and WL185M, online user guide.  
Version: 0.1 (2024-F)

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# WL183M WL184M WL185M Lavalier Condenser Microphone

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## General Description

Shure WL185m, WL184m, and WL183m are professional low-profile lavalier microphones for use with compatible wireless bodypack transmitters. 8 mm shorter than their predecessors, the WL185m, WL184m, and WL183m lavaliers deliver full and accurate sound quality with an improved presence response that reproduces crystal clear vocals. For flexible placement on speakers, presenters, and performers, each lavalier is available in either black or white with LEMO or TA4F connector options, and the innovative tie clip can be rotated in 90° intervals for accurate positioning. Shure WL185m, WL184m, and WL183m professional lavaliers include a snap-fit windscreen, single tie clip, and zippered bag for storage and transport.

## Model Variations

All models are available in black or white finishes with TA4F or LEMO connectors.

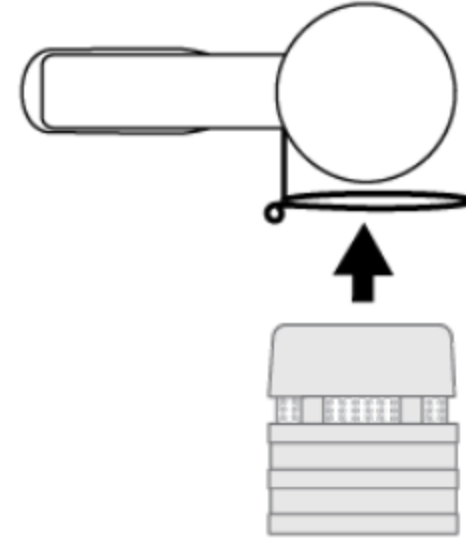
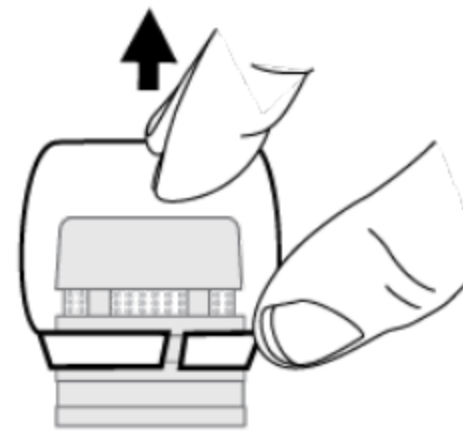
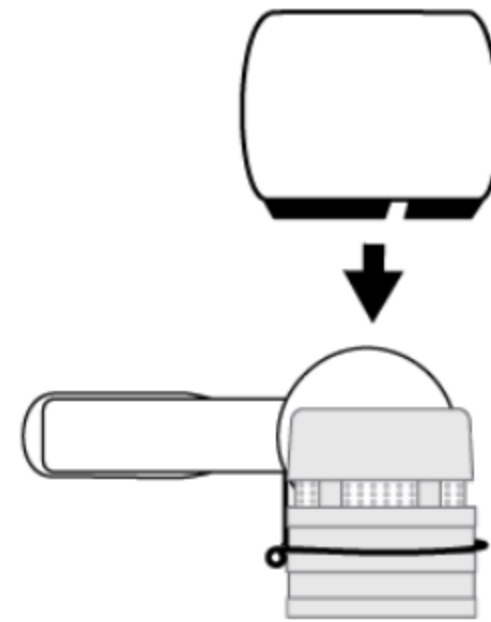
- WL185m: Cardioid
- WL184m: Supercardioid
- WL183m: Omnidirectional

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## Installation

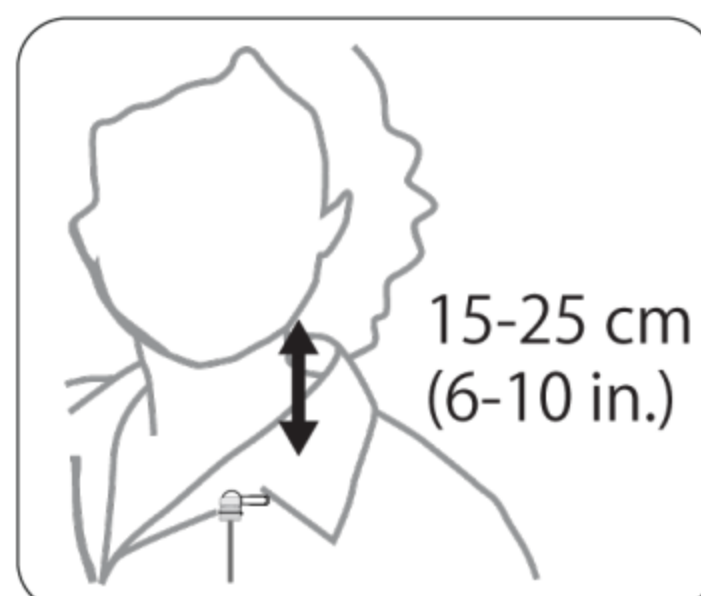
1. Insert the top of the microphone through the tie clip loop from below until the tie clip snaps into place over the groove of the microphone.
2. To install the snap-fit windscreen, press it down on the microphone until it clicks onto place. The windscreen provides 30 dB of plosive protection.
3. Attach the microphone approximately 6 to 10 inches (15 to 25 cm) from the speaker.

The snap-fit windscreen can be removed by spreading the slot in the plastic ring and gently pulling the windscreen off of the microphone.

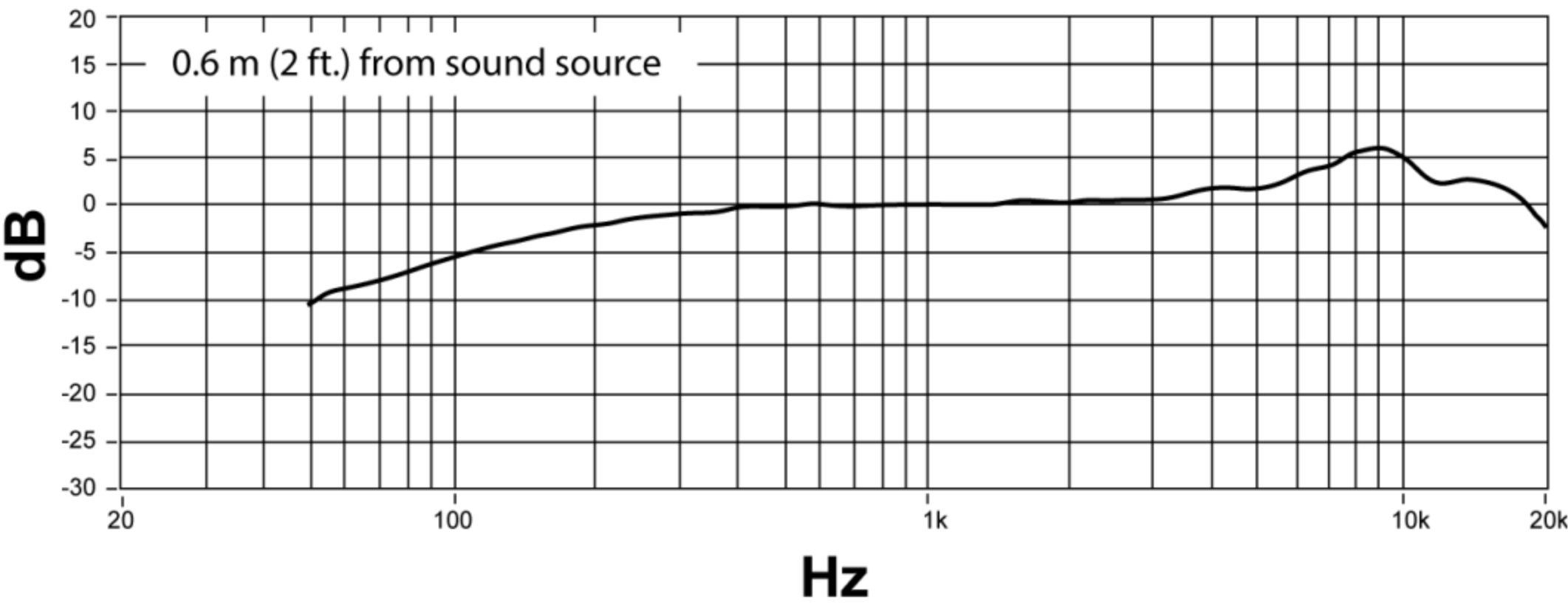
**TIE CLIP****WINDSCREEN**

## Lavalier Distance

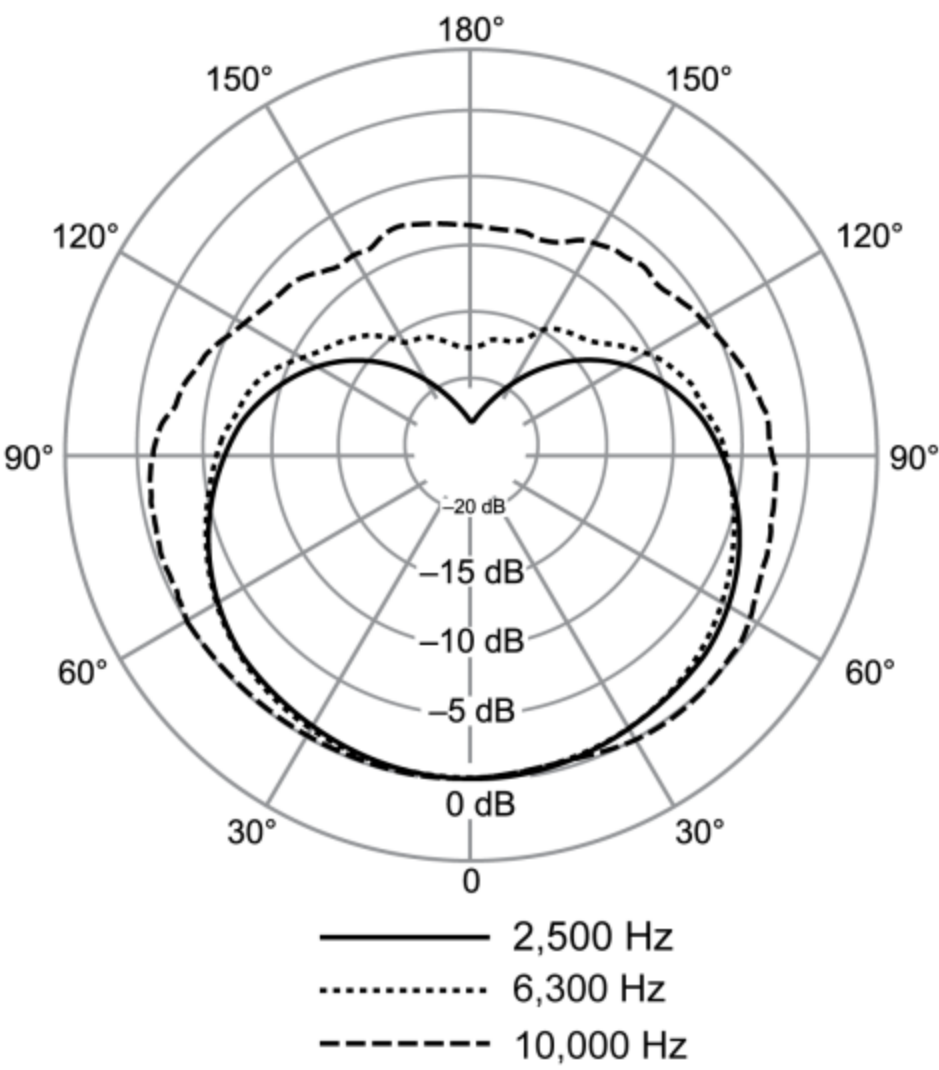
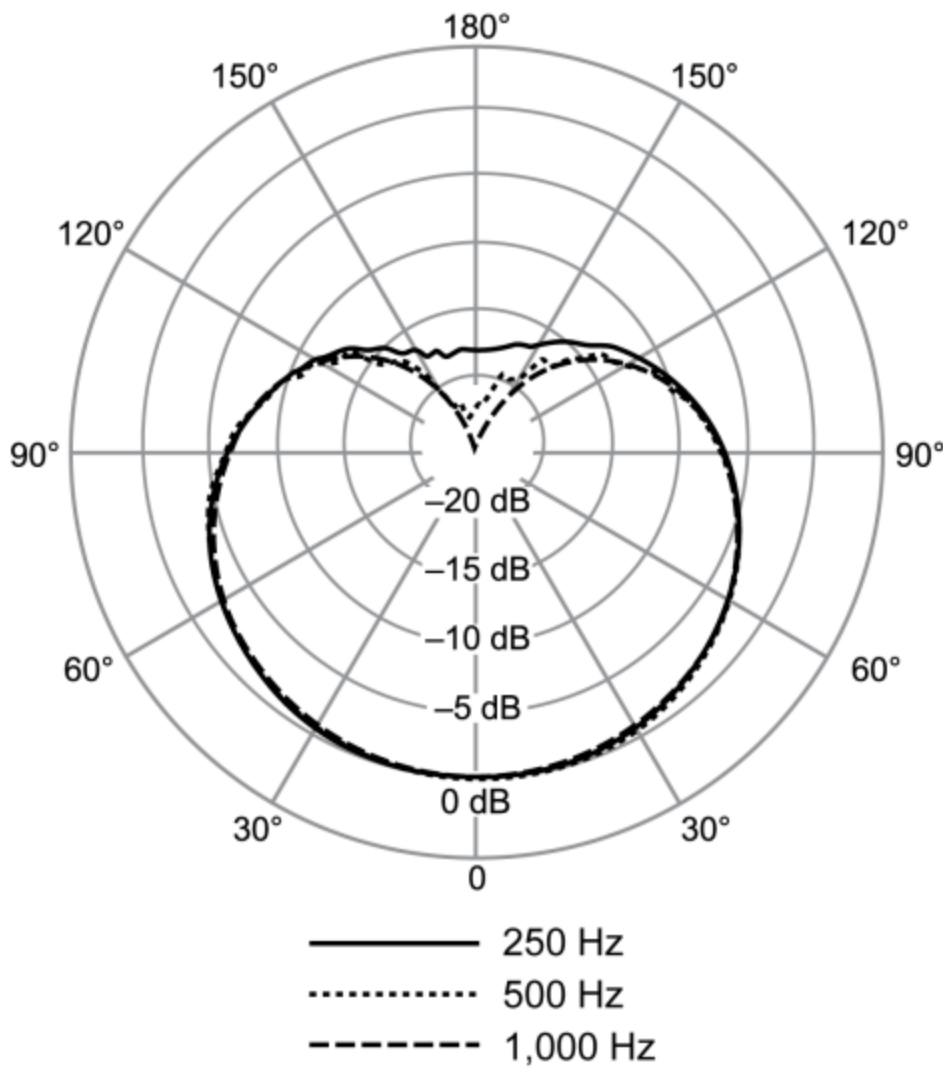
For the best sound, place the microphone 6 to 10 inches (15 to 25 cm) away from the speaker.



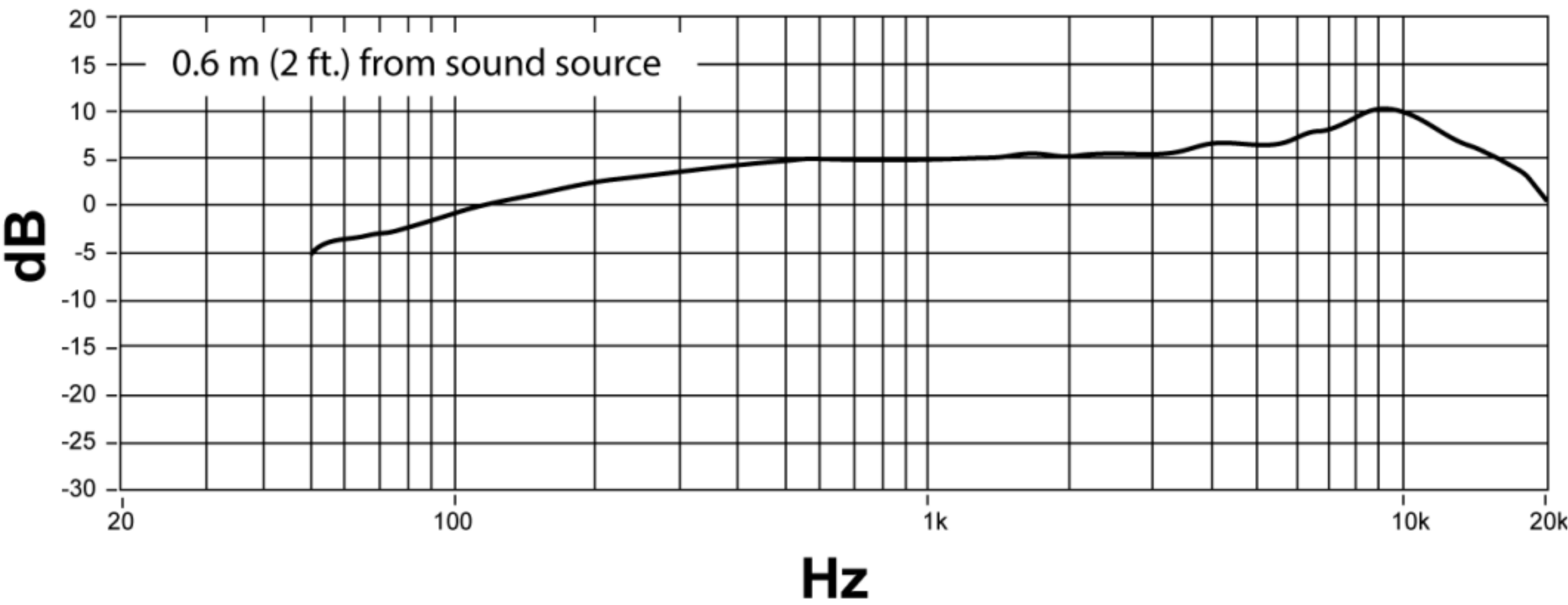
# Specifications



WL185m Frequency Response

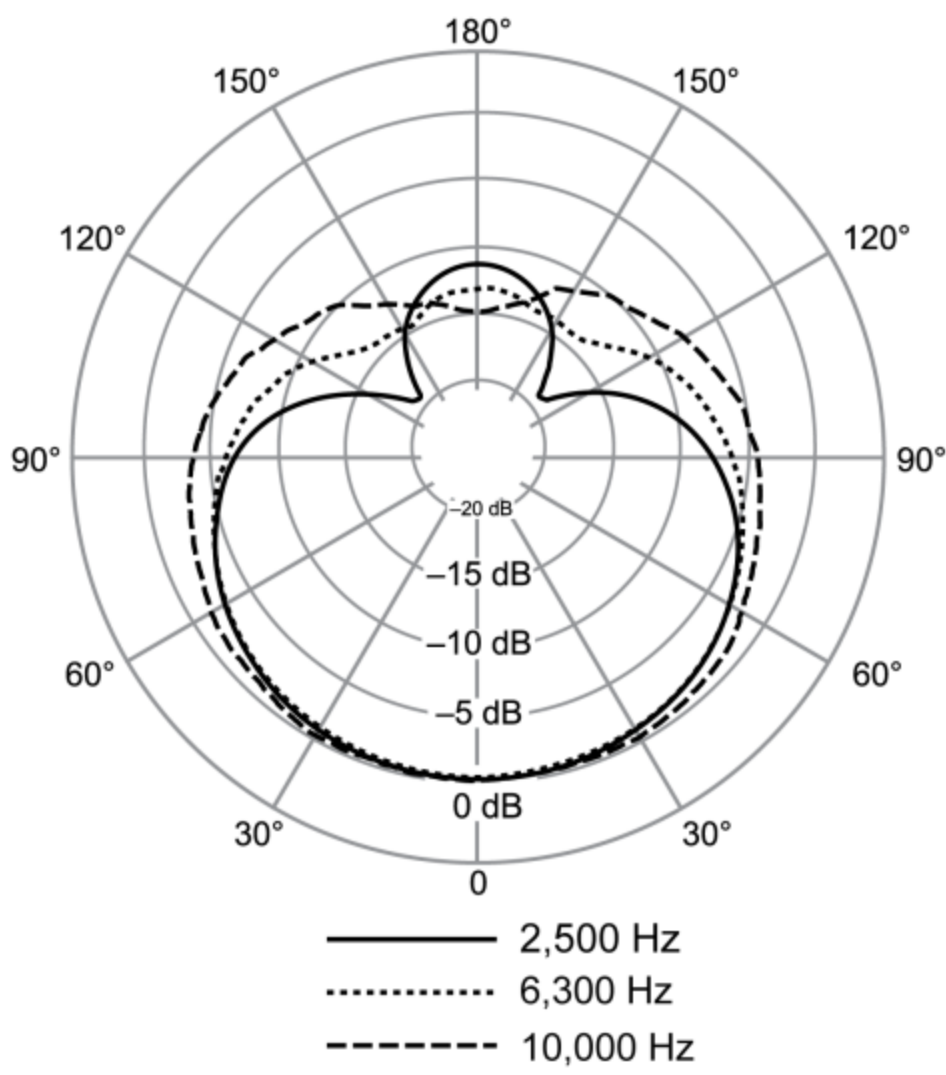
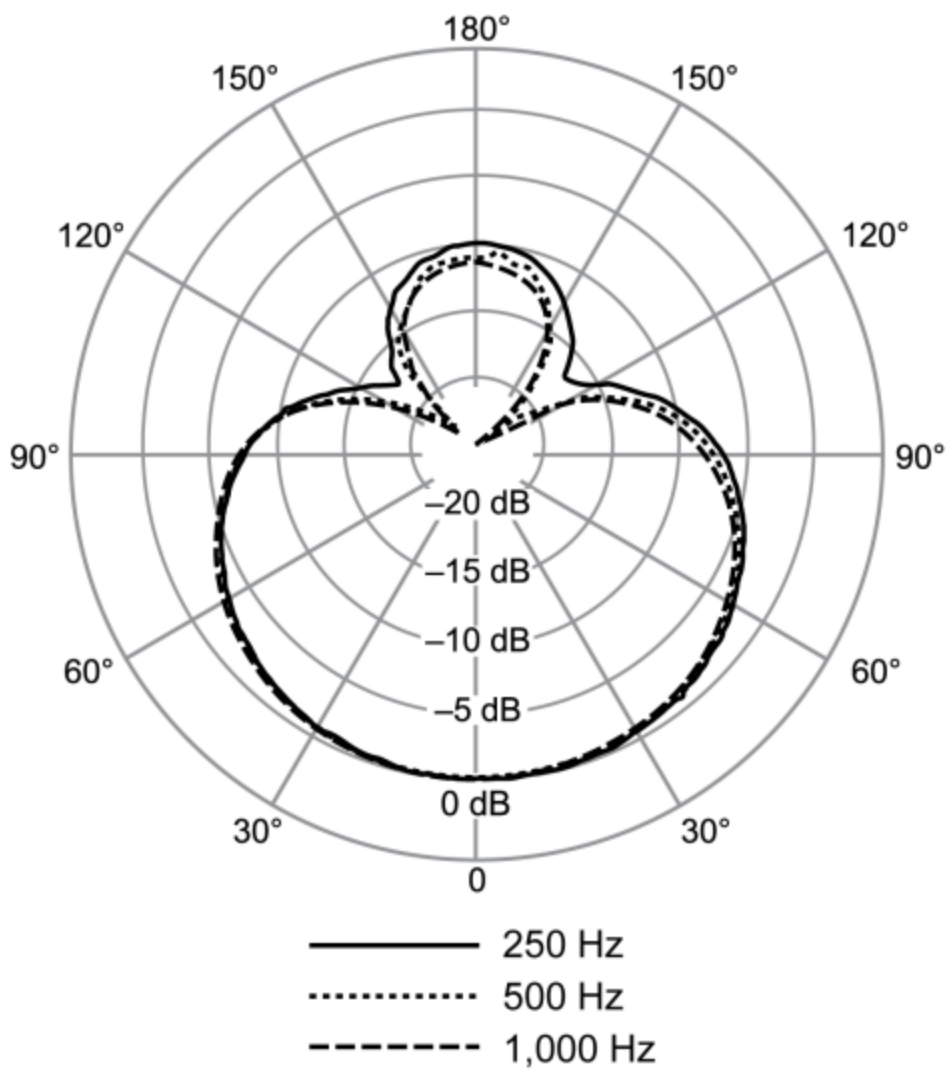


WL185m Polar Pattern

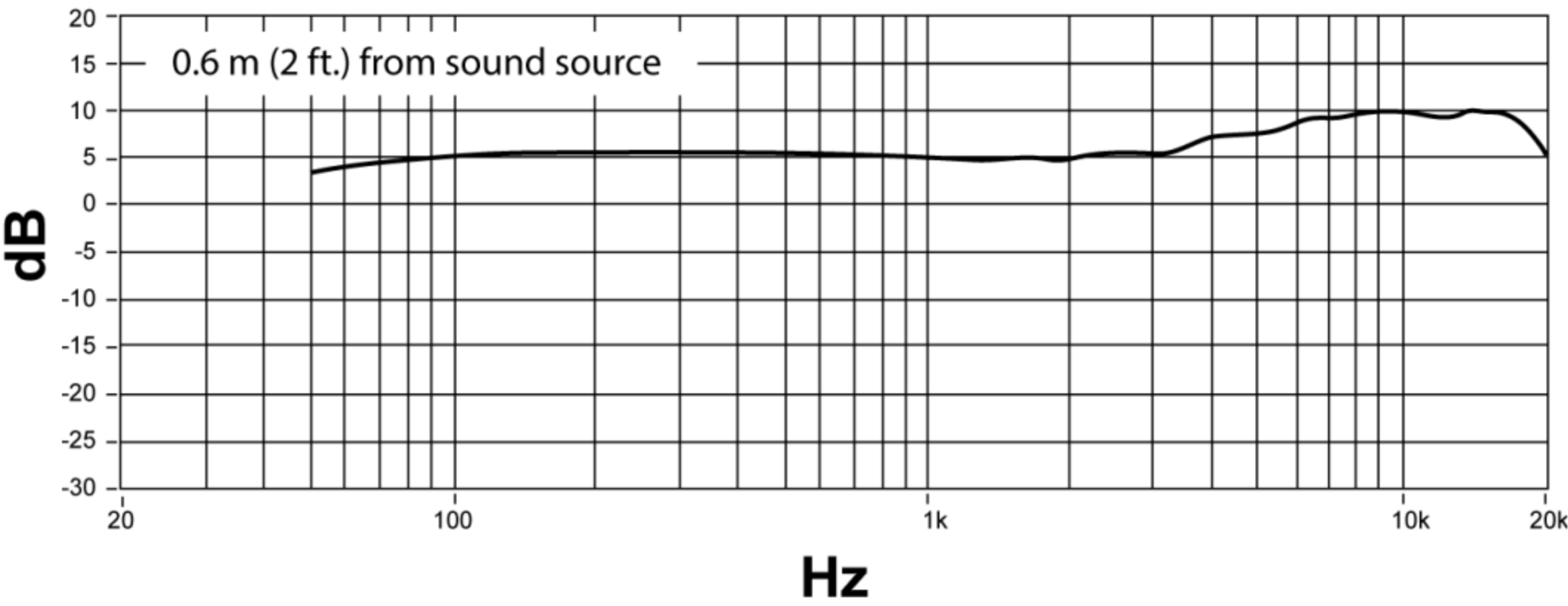


WL184m Frequency Response

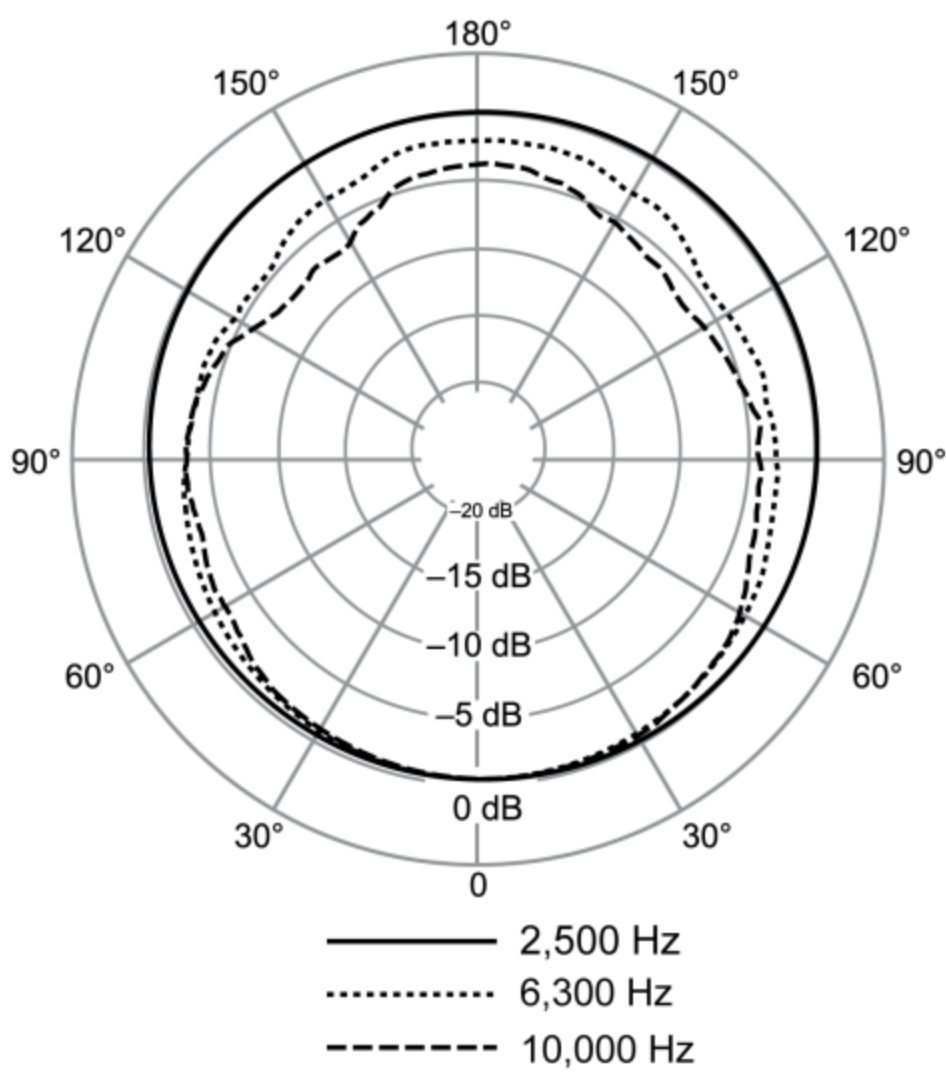
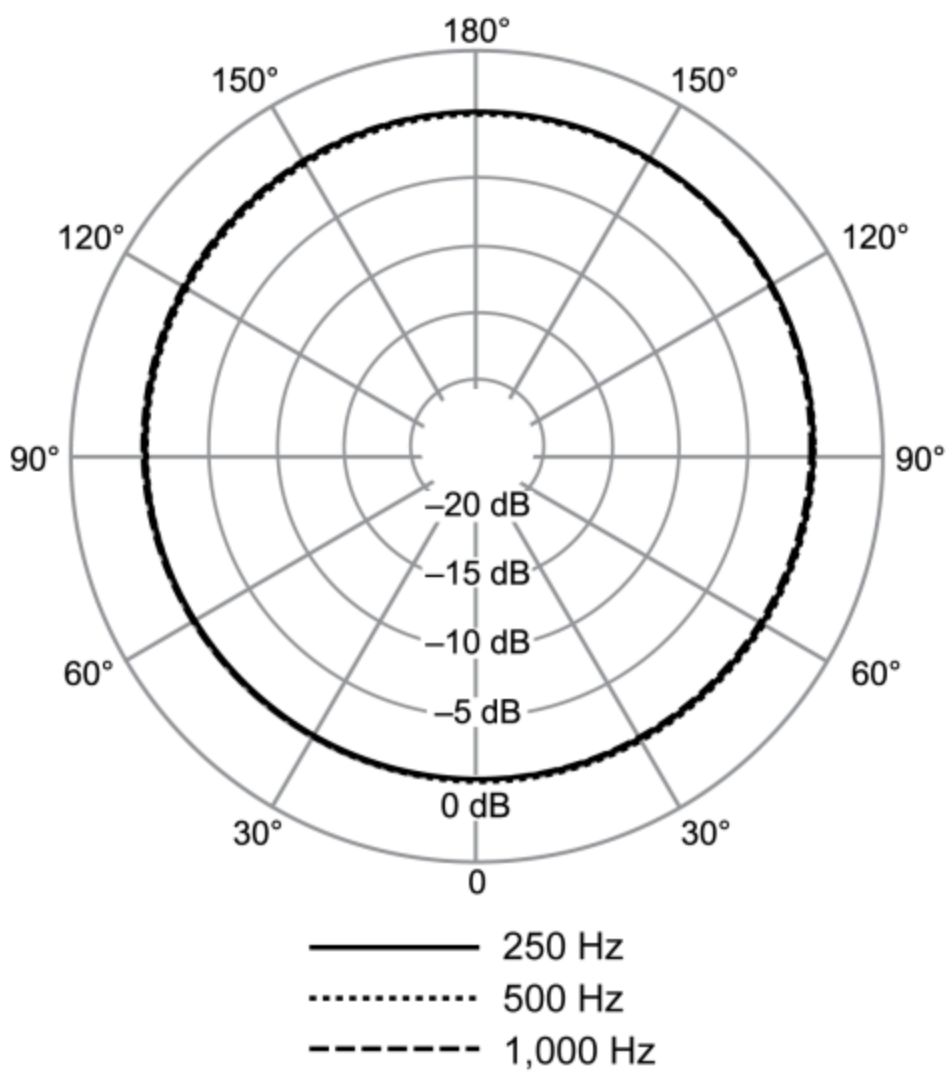




WL184m Polar Pattern



WL183m Frequency Response



WL183m Polar Pattern

## Type

Condenser

## Frequency Response

70 to 20,000 Hz

## Output Impedance

Using RPM400 preamplifier

95  $\Omega$ 

## Sensitivity[1]

<b>WL185m TA4F</b>	-43.5 dBV/Pa
<b>WL185m LEMO</b>	-37 dBV/Pa
<b>WL184m TA4F</b>	-47 dBV/Pa
<b>WL184m LEMO</b>	-41 dBV/Pa
<b>WL183m TA4F</b>	-44 dBV/Pa
<b>WL183m LEMO</b>	-39 dBV/Pa

## Maximum SPL

<b>WL185m TA4F</b>	140.5 dB SPL
<b>WL185m LEMO</b>	134 dB SPL
<b>WL184m TA4F</b>	144 dB SPL
<b>WL184m LEMO</b>	138 dB SPL
<b>WL183m TA4F</b>	141 dB SPL
<b>WL183m LEMO</b>	133.5 dB SPL

## Self Noise (A-Weighted):

<b>WL185m TA4F</b>	20 dB SPL
<b>WL185m LEMO</b>	19.5 dB SPL
<b>WL184m TA4F</b>	23 dB SPL
<b>WL184m LEMO</b>	24 dB SPL
<b>WL183m TA4F</b>	20 dB SPL
<b>WL183m LEMO</b>	22 dB SPL

## Dynamic Range

<b>WL185m TA4F</b>	120.5 dB
<b>WL185m LEMO</b>	114.5 dB
<b>WL184m TA4F</b>	121 dB

<b>WL184m LEMO</b>	114 dB
<b>WL183m TA4F</b>	121 dB
<b>WL183m LEMO</b>	111.5 dB

### Polarity

Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1

### Bias Voltage

5 VDC bias voltage recommended at microphone connector pin 2 relative to pin 1.

[1] 1 Pa = 94 dB SPL

## Accessories

### Furnished Accessories

Included in Black variations:

<b>Single Tie Clip, Black (1)</b>	RK187T1-B
<b>Snap-Fit Windscreen, Black (1)</b>	RK187WS-B

Included in White variations:

<b>Single Tie Clip, White (1)</b>	RK187T1-W
<b>Snap-Fit Windscreen, White (1)</b>	RK187WS-W

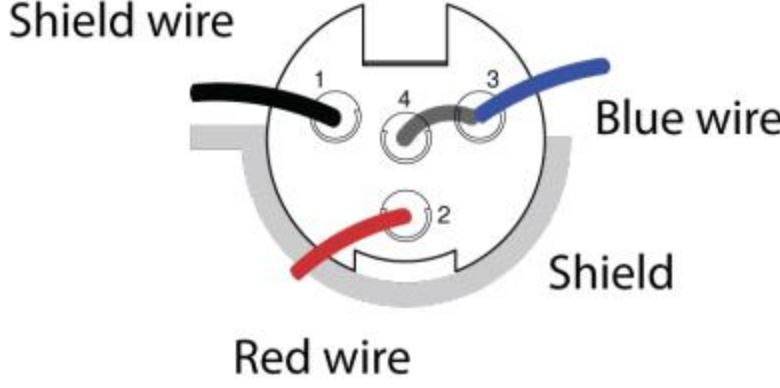
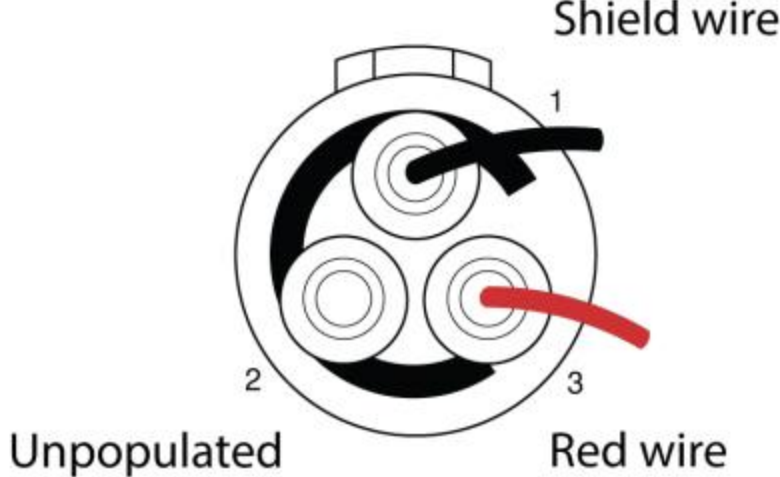
### Replacement Parts

<b>Single Tie Clip, Black (2)</b>	RK187T1-B
<b>Dual Tie Clip, Black (2)</b>	RK187T2-B
<b>Snap-Fit Windscreen, Black (4)</b>	RK187WS-B
<b>Single Tie Clip, White (2)</b>	RK187T1-W
<b>Dual Tie Clip, White (2)</b>	RK187T2-W
<b>Snap-Fit Windscreen, White (4)</b>	RK187WS-W



# Wiring and Termination

## Typical Wiring Table

Series	Cable Construction	Electrical Design	Polarity	For Use With	Wiring	Line Art (From Solder Side)
<b>WL185m-MTQG, WL184m-MTQG, WL183m-MTQG</b>	1.6mm cable with 2 conductors, 2 shield wires and shield	3-Wire (Source Follower)	Positive with respect to ground	All Shure TA4F Body-packs	Red wire: Bias(2) Blue wire: Audio(3) Shield wire: Ground(1) Shield: Ground (Shell)	
<b>WL185m-LEMO, WL184m-LEMO, WL183m-LEMO</b>	1.6mm cable with 2 conductors, 2 shield wires and shield	2-Wire (Common Source)	Negative with respect to ground	Shure Lemo bodypacks (ADX1-Lemo, Shure UR1M-Lemo, ULXD1-Lemo), Sennheiser SK5212, Lectrosonics SSM, and others	Red wire: Audio/Bias(3) Blue wire: Not connected Shield wire: Ground(1)	

## Certifications

This product meets the Essential Requirements of all relevant European directives and is eligible for CE marking.

The CE Declaration of Conformity can be obtained from: [www.shure.com/europe/compliance](http://www.shure.com/europe/compliance)

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