

### WL184 LAVALIER MICROPHONE

#### GENERAL

The Shure WL184 is a lavalier electret condenser microphone designed for use with a wireless bodypack transmitter. Each microphone has a 1.2 meter (4 ft.) cable terminated with a miniature Switchcraft TA4F connector. The furnished tie clip can be rotated in 90° intervals for placement flexibility.

#### APPLICATIONS

**WL184 (Supercardioid):** Recommended for sound reinforcement applications requiring high rejection of ambient noise and narrow pickup angle. Use of windscreen highly recommended. Pickup angle is 115°.

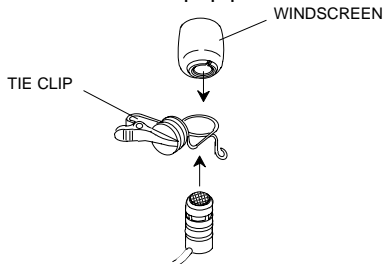
#### INSTALLATION

1. Insert the top of the microphone through tie clip loop from below until tie clip loop snaps into place over the lower groove on the microphone. Refer to the following illustration.
2. To install the snap-fit windscreen, press it down on the microphone until it clicks into place inside the upper groove on the microphone. The snap-fit windscreen provides 30 dB of pop protection.

**NOTE:** The snap-fit windscreen can be removed by spreading the slot in the plastic snap-fit ring.

#### OR

To install the smaller foam windscreen, slip the windscreen over the top of the microphone so that it covers the side slots. The foam windscreen provides 5 to 10 dB of pop protection.



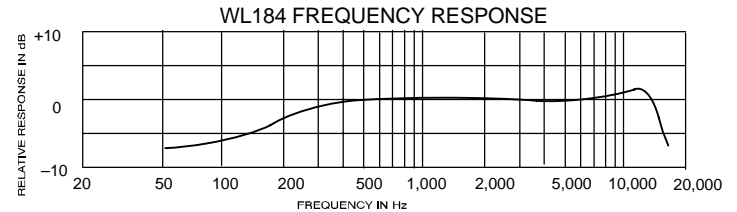
3. Attach the microphone approximately 76 mm to 152 mm (3 to 6 in.) below the neckline.

**NOTE:** Do not cover the microphone with your hand or clothing.

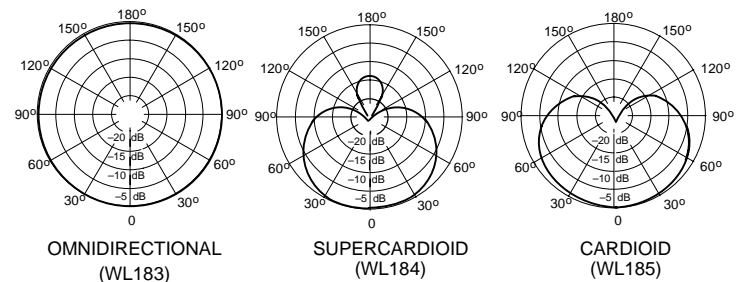
#### SPECIFICATIONS

**Type:** Condenser (electret bias)

**Frequency Response:** 50 to 17,000 Hz



#### Polar Patterns (at 1 kHz):



**Output Impedance:** 1800 Ω

**Sensitivity (1 Pa = 94 dB SPL):**  
 WL183: -40.0 dBV/Pa  
 WL184: -44.5 dBV/Pa  
 WL185: -45.5 dBV/Pa

**Maximum Sound Pressure Level:**  
 WL183: 125.0 dB SPL  
 WL184: 129.5 dB SPL  
 WL185: 130.5 dB SPL

**Output Noise (A-weighted):**  
 WL183: 22.5 dB SPL  
 WL184: 27.0 dB SPL  
 WL185: 28.0 dB SPL

**Dynamic Range:** 102.5 dB

**Polarity:** Positive pressure on diaphragm produces positive voltage on pins 3 and 4 relative to pin 1.

**Power Requirements:** Regulated nominal +5 Vdc (1.5 Vdc to 10 Vdc) provided at microphone connector pin 2 relative to pin 1 of a Shure wireless microphone transmitter.

