

# CM311 (A, AESH, L)

REFERENCE HEAD-WORN CONDENSER MICROPHONE



## BE DIFFERENT

The CM311 reference head-worn condenser microphone is designed for touring and live-sound applications. It sounds like the best handheld microphones - full, clear and distortion-free, even with the loudest singers.

Differoid stands for differential cardioid, which cancels ambient noise from floor monitors, crowds and other sources. Controlled field tests show that the Differoid provides up to 12 dB more gain before feedback than conventional cardioid microphones. Many users of CM311 say that their house mix is better because the microphone's isolation is nearly complete.

The CM311 is available in different versions, e.g. the CM311 L with a three-pin mini XLR connector, which fits all AKG wireless body-pack transmitters.

## HIGHLIGHTS

- » **Differoid noise-cancelling technology**  
for highest ambient noise rejection
- » **Cardioid polar pattern**  
for outstanding gain before feedback
- » **Condenser capsule with internal shock mount**  
for efficient rejection of mechanical and body noise
- » **Robust headband construction**  
for maximum comfort and freedom of movement
- » **Available with professional Mini-XLR, XLR and W/TA4F connector**  
for all wireless pocket transmitters

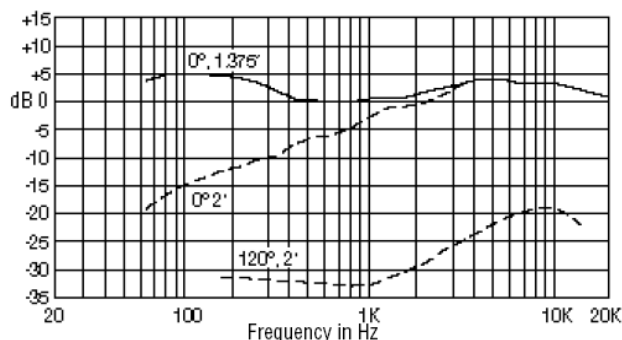
## APPLICATIONS

- » Touring
- » Live-sound application

## KEY SPECIFICATIONS

<b>Transducer</b>	Electret condenser																
<b>Polar pattern</b>	Cardioid																
<b>Audio frequency bandwidth</b>	50 Hz to 17 kHz																
<b>Sensitivity</b>	CM311 A: 4 mV/Pa CM311 AESH and CM311 L: 1.25 mV/Pa																
<b>Max. sound pressure level</b>	CM311 A: 148 dB CM311 AESH and CM311 L: 140 dB																
<b>Equivalent noise level</b>	26 dB (A)																
<b>Signal-to-noise level</b>	68 dB (A)																
<b>Electrical impedance</b>	CM311 A: 75 ohms, balanced CM311 AESH and CM311 L: 6 kohms, unbalanced																
<b>Recommended load impedance</b>	CM311 A: 1000 ohms CM311 AESH and CM311 L: 10 kohms																
<b>Powering interface</b>	CM311 A: 9 V battery or 18 - 48 V phantom power CM311 AESH and CM311 L: 3 - 9 V DC from transmitter's battery																
<b>Audio output</b>	CM311 A: 3-pin XLR (male) CM311 AESH: W/TA4F (4-pin mini XLR) (female) CM311 L: 3-pin mini XLR (female)																
<b>Finish</b>	Satin black																
<b>Cable length</b>	106 cm (42 in.)																
<b>Length</b>	18 mm (7 in.)																
<b>Width</b>	14 mm (5.5 in.)																
<b>Height</b>	8 mm (3 in.)																
<b>Net weight</b>	Head worn microphone: 61 g (2 oz.) Belt and battery pack: 173 g (6 oz.)																
<b>Box content</b>	1x CM311 A, CM311 AESH or CM311 L 1x Microphone carrying case 1x Foam pop filter WS6 1x Clothing clip																
<b>Item numbers</b>	<table border="0"> <thead> <tr> <th></th> <th>SKU</th> <th>EAN</th> <th>UPC</th> </tr> </thead> <tbody> <tr> <td>CM311 A</td> <td>6000H50930</td> <td>9002761024968</td> <td>885038 02496 5</td> </tr> <tr> <td>CM311 AESH</td> <td>6000H50950</td> <td>9002761025309</td> <td>885038 02530 6</td> </tr> <tr> <td>CM311 L</td> <td>6000H50940</td> <td>9002761024975</td> <td>885038 02497 2</td> </tr> </tbody> </table>		SKU	EAN	UPC	CM311 A	6000H50930	9002761024968	885038 02496 5	CM311 AESH	6000H50950	9002761025309	885038 02530 6	CM311 L	6000H50940	9002761024975	885038 02497 2
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Frequency Response



Polar Response

