

# AEA R84 SERIES

## SPECIFICATIONS



CLASSIC RIBBON MIC INSPIRED BY THE R44

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# SPECIFICATIONS

Operating Principle:	Pressure gradient transducer
Directional Pattern:	Bidirectional
Frequency Range:	<20 Hz to >20 kHz
Polarity:	Pin 2 high for positive pressure on front of microphone
Polar Response:	Native bidirectional, figure-of-8 pattern
Horizontal:	Up to 90 dB rejection at right angles to the front/back axis.
Vertical:	Level changes with angle of incidence, but frequency response is consistent.
Transducer Element Material:	Pure aluminum corrugated ribbon
Thickness:	1.8 $\mu$ m
Width:	0.185 in (4.7 mm)
Length:	2.35 in (59.7 mm)
Microphone Dimensions:	
Height:	11.6 in (29.5 cm)
Width:	3.9 in (9.9 cm)
Depth:	2.5 in (6.4 cm)
Weight with cable:	3 lb (1.36 kg)
Shipping Weight:	4 lb (1.8 kg)
Connector:	XLR-3M

## R84 Passive Microphone

Maximum SPL:	165 + dB SPL (1% third harmonic > 1 kHz)
Sensitivity:	2.5 mV/Pa (-52 dBV/Pa) into unloaded circuit
Output Impedance:	270 $\Omega$ nominal
Recommended Load Impedance:	1.2K $\Omega$ or greater
Phantom Power:	Not required or recommended

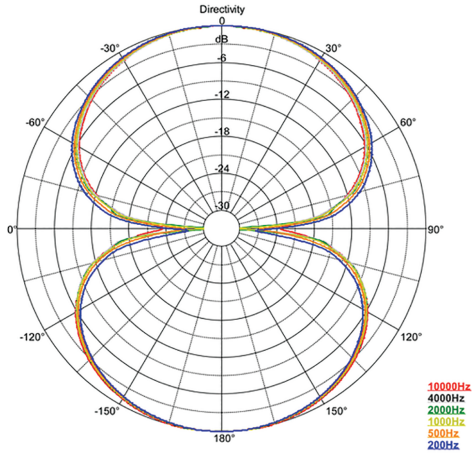
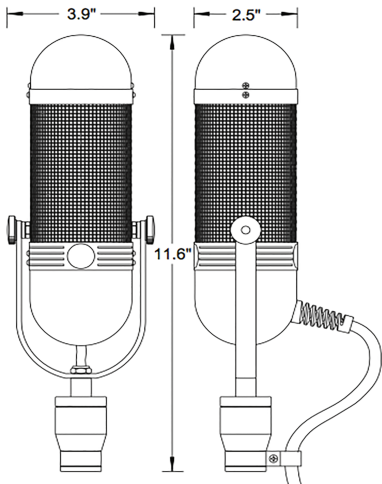
## R84A Phantom-Powered Microphone

Maximum SPL:	141 + dB SPL (1% third harmonic > 1 kHz)
Sensitivity:	6.3 mV/Pa (-44 dBV/Pa) into unloaded circuit
Output Impedance:	92 $\Omega$ broadband
Recommended Load Impedance:	1.0K $\Omega$ or greater
Phantom Power:	P48 phantom power, 7 mA

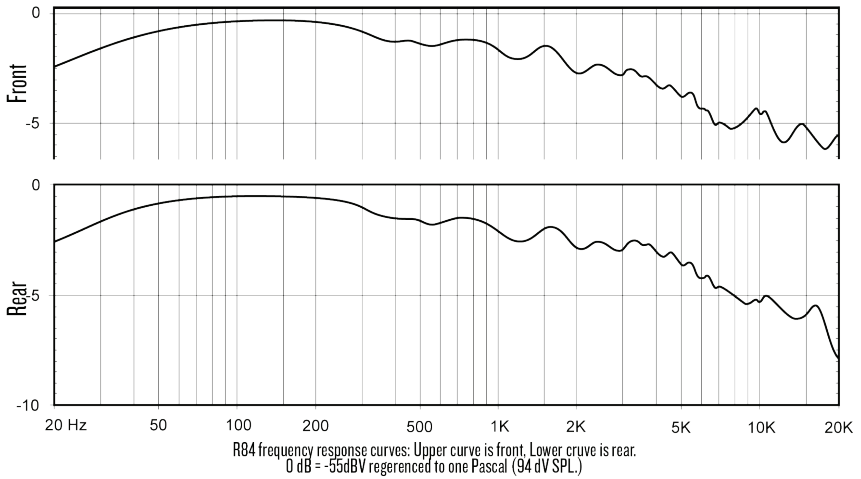
## Accessories Included

Softcase, user manual, captive 10" (3 meter) output cable with XLR-3M connector.

*Note: The phantom-powered R84A was previously known as the A840.*



## FREQUENCY RESPONSE





[AEARIBBONMICS.COM](http://AEARIBBONMICS.COM) | [@RIBBONMICS](https://twitter.com/RIBBONMICS) | [INFO@RIBBONMICS.COM](mailto:INFO@RIBBONMICS.COM) | (800) 798-9127