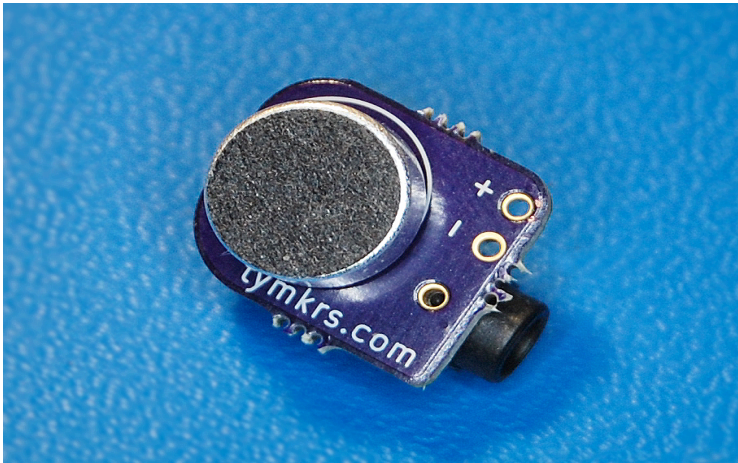


The Toymakers @ tymkrs.com
Questions? Please contact us:
feedback@tymkrs.com

DATASHEET



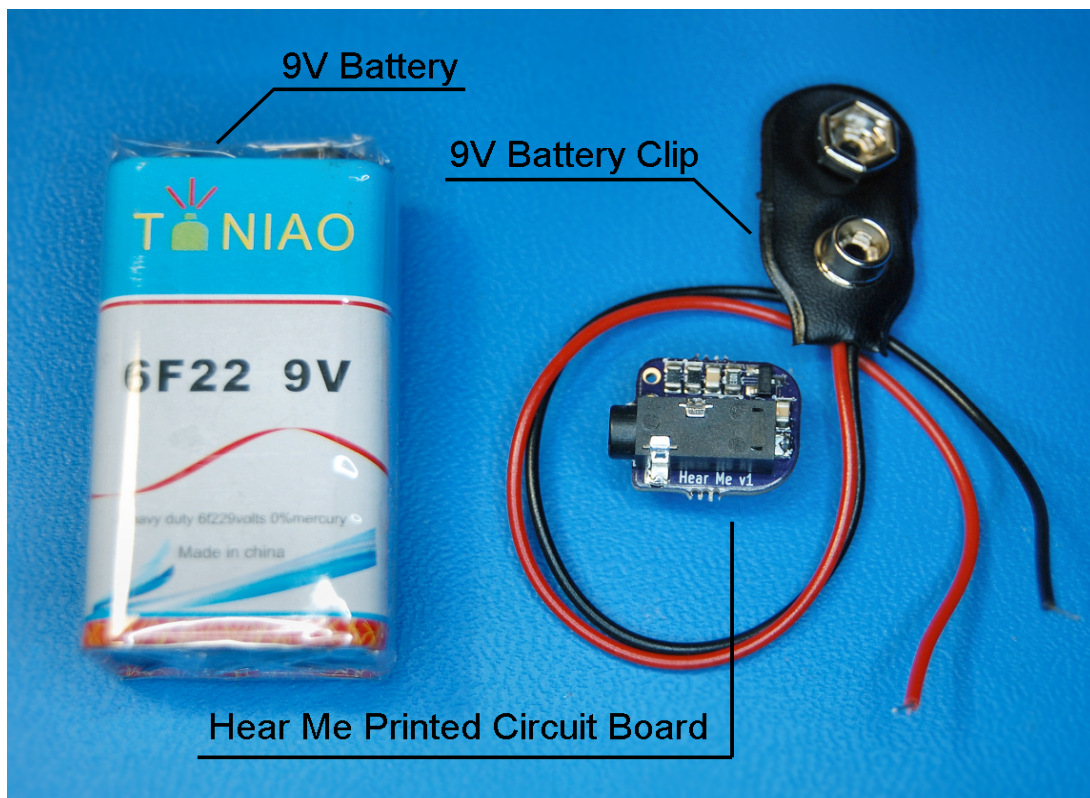
Hear Me

Electret Microphone Amplifier Kit

The Hear Me kit is an electret microphone amplifier kit with a line level output!

- Kit Type: SMT and minimal throughhole
- Function: It is a 9V-powered microphone amplifier kit with a line level output.

KIT CONTENTS



Contents of the Hear Me Kit:

- Hear Me printed circuit board (12.67 x 14.73 x 1.60mm)
- 9V Battery Clip
- Electrical Components – reflowed for your convenience.

Electrical Components:

Reference	Quantity	Type	Value
R1	1	Resistor, 1/4W	10k ohms
R2	1	Resistor, 1/4W	100k ohms
R3	1	Resistor, 1/4W	10k ohms
C1-C2	2	Capacitor, 16V	0.1 uF
P1	1	Microphone	Electret Microphone
Q1	1	BJT NPN Transistor	2N3904
J1	1	SMT Audio Jack	Mono

Recommended Operating Conditions

Datasheet for microphone: <http://www.cui.com/product/resource/cma-4544pf-w.pdf>

Parameter	Ratings	Unit
Supply Voltage	3 – 10	V
Operating Temperature	-40 to +85	°C

Additional physical/electrical specifications:

- Printed Circuit Board size: 0.50 x 0.58 x 0.063" (12.67 x 14.73 x 1.60mm)
- PCB thickness: 0.063" (1.60mm), not including any components
- PCB thickness: 0.472" (12mm), max height with microphone

Use Instructions:

- Using a 1/8" audio cable, you can connect the Hear Me to an Amplify Me kit and when you speak, you should hear yourself in the speaker!
- The Hear Me is a line-level output therefore it can be connected to line-level inputs such as power amplifiers, amplifiers, mixers, etc.