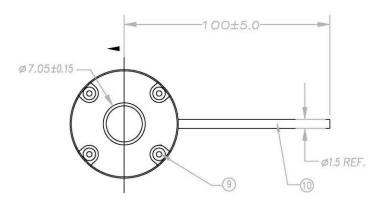
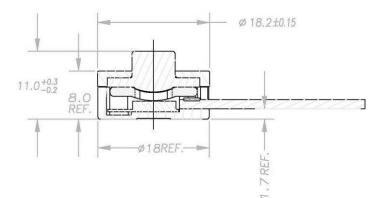




DIMENSIONS





CONTACT MICROPHONE CM-01B

SPECIFICATIONS

- High Sensitivity
- Robust
- Low Noise
- Piezo Film Technology
- Shielded Cable

The CM-01B Contact Microphone uses sensitive but robust PVDF piezo film combined with a low-noise electronic preamplifier to provide a unique sound or vibration pick-up with buffered output. The design minimizes external acoustic noise while offering extremely high sensitivity to vibration applied to the central rubber pad. The CM-01B is ideal for detecting body sounds.

FEATURES

- Broad Bandwidth
- High Sensitivity
- Excellent Impact Resistance
- Lightweight
- Low Cost

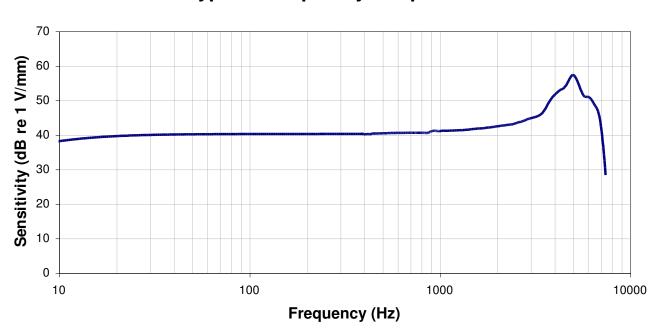
APPLICATIONS

- Electronic Stethoscope
- Bone-conducted Sound Pickup
- General Purpose Contact Microphone
- Vibration/Impact Sensing

PERFORMANCE SPECIFICATIONS

CHARACTERISTICS Sensitivity Lower Limiting Frequency (-3 dB) Upper Limiting Frequency (+3 dB)	Min	Typ 40 8 2.2	Мах	Units V/mm Hz kHz
Resonance Frequency Spring Constant Electronic Noise	4	5 20 1	00	kHz N/m mV _{pk-pk}
Supply Voltage Supply Current Operating Temperature Storage Temperature	4 +5 -20	5 0.1	30 +60 +85	V-DC mA ℃ ℃

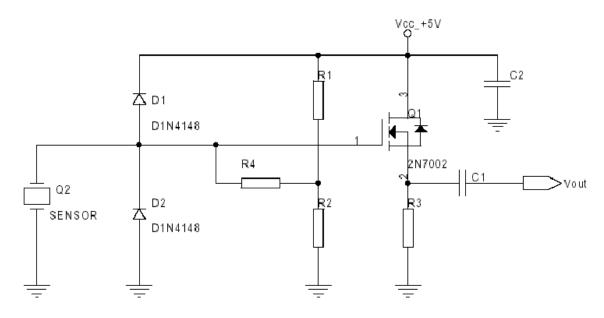
TYPICAL FREQUENCY RESPONSE



Typical Frequency Response

The above plot shows a typical frequency response curve for a device clamped below and subjected to piston-like displacement to the face of the rubber sensing pad.

INTERNAL SCHEMATIC



 $\begin{array}{l} C1 = C2 = 0.1 \ \mu F \\ R1 = R2 = 300 \ K\Omega \\ R3 = 10 \ K\Omega \end{array}$

ORDERING INFORMATION

Model No.	Part No.		
CM-01B	1007079-1		

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