Contact Microphone CM-01

High Sensitivity Robust Low Noise Piezo Film Technology Shielded Cable

The CM-01B Contact Microphone

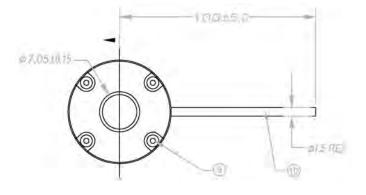
uses sensitive but robust PVDF piezo film combined with a low-noise electronic preamplifier to provide a unique sound or vibration pick-up with buffered output. The design minimises external acoustic noise while offering extremely high sensitivity to vibration applied to the central rubber pad. The CM-01B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



dimensions

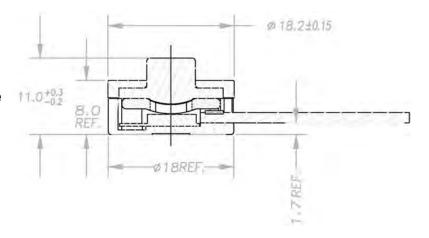


- Broad Bandwidth
- High Sensitivity
- Excellent Impact Resistance
- Lightweight
- Low Cost



APPLICATIONS

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

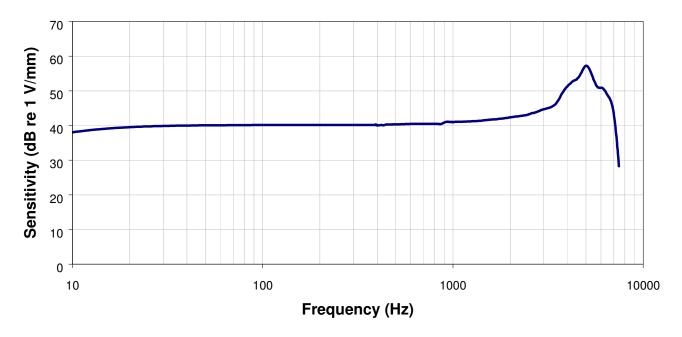


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ications				
Min	Typ 40 8 2.2 5 20 1	Max	Units V/mm Hz kHz kHz kHz N/m mV _{nk-nk}	
4	5 0.1	30	V-DC mA	
+5 -20		+60 +85	°C °C	
	4 +5	Min Typ 40 8 2.2 5 20 1 4 5 0.1 +5	Min Typ Max 40 8 2.2 5 20 1 4 5 30 0.1 +5 +60	$\begin{array}{c ccccc} \mbox{Min} & \mbox{Typ} & \mbox{Max} & \mbox{Units} \\ 40 & & \mbox{V/mm} \\ 8 & & \mbox{Hz} \\ 2.2 & & \mbox{kHz} \\ 5 & & \mbox{kHz} \\ 20 & & \mbox{N/m} \\ 1 & & \mbox{mV}_{\mbox{pk-pk}} \\ 4 & \mbox{5} & \mbox{30} & \mbox{V-DC} \\ 0.1 & & \mbox{mA} \\ +5 & +\mbox{60} & \mbox{°C} \end{array}$

typical frequency response

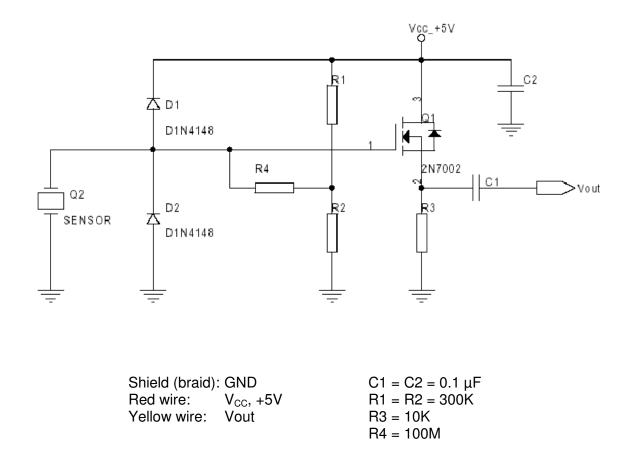
Typical Frequency Response



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.

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internal schematic



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ordering information

Model No. CM-01B