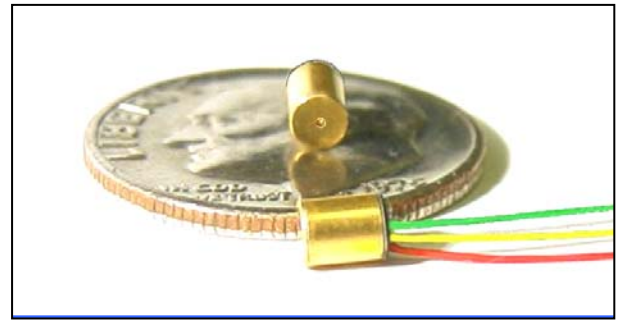


Features

- Sub-miniature size (2.54 mm/0.10 in. dia)
- Durable cylindrical design
- EMI protection
- Very low inherent noise
- Low current drain



151-01 (leads not included)

Performance Specifications

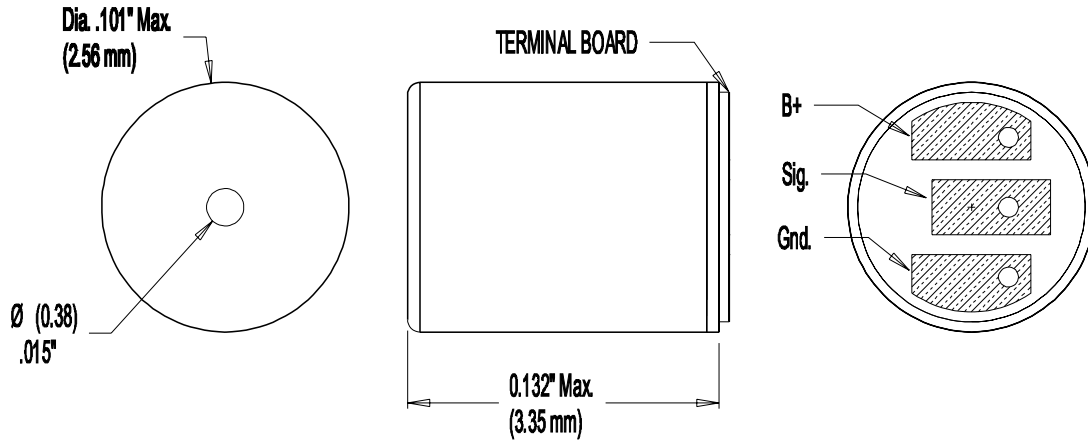
Sensitivity	151-01 Model	-56.0	dB re 1 V/ μ Bar @ 1kHz nominal
A-Weighted Noise	- Nominal - Maximum	27 31	dB SPL (sound equivalent) dB SPL (sound equivalent)
Supply Voltage	- Nominal - Minimum - Maximum	1.2 0.9 5.0	Volts Volts (2.5 dB change max) Volts
Supply current	- Nominal - Maximum	14 25	μ amps μ amps
Vibration Sensitivity		<66	dB SPL/g
Output Impedance	- Nominal - Minimum - Maximum	4400 2800 6800	Ohms Ohms Ohms
DC Output level	- Nominal - Minimum - Maximum	0.50 0.30 0.80	Volts (@1.2 V supply) Volts " Volts "
Max Power Supply Feed Through		-8	dB
Max Resistance, Case to Ground		10	Ohms
Sensitivity to Humidity		0.06	dB/%RH @ 1kHz

(1.2 Volt supply at 50% Relative Humidity and 23° Celsius except where specified otherwise)

151 Series

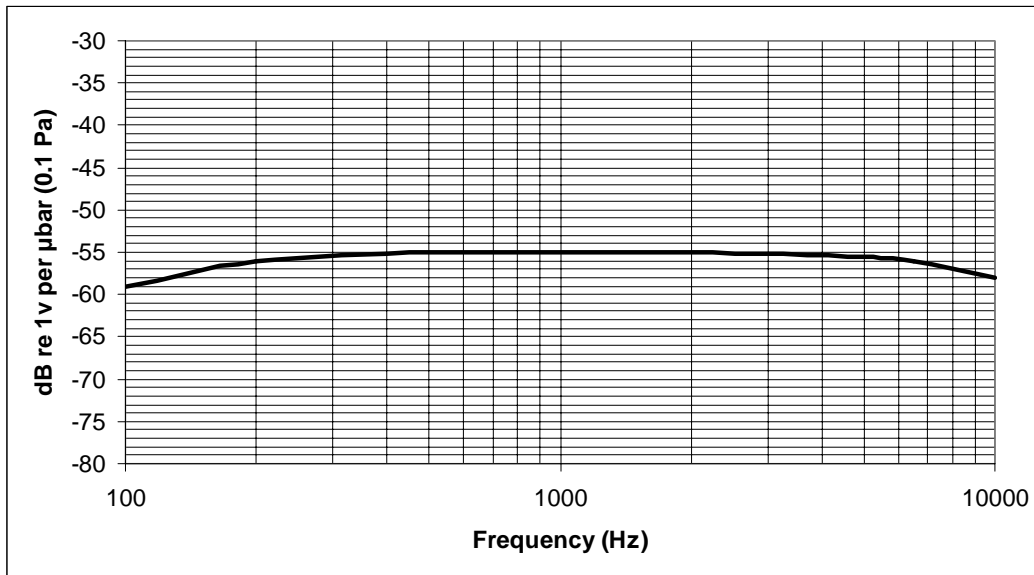
Technical Data Sheet (cont.)

Physical Dimensions



Frequency Response

Model 151-01



Sensitivity and Unit Conformance

Frequency	Sensitivity		
	Min	Nom	Max
50	-	-	-59.0
100	-63.0	-	-
1000	-59.5	-56.0	-52.5
6000	-	-57.0	-
25000	-	-	-

Device Conformity (Range of Deviation from 1 kHz)		
-	-3.0	dB
-7.0	-	dB
0.0	0.0	dB
-5.0	+3.0	dB
-	-8.0	dB

Note: Tibbetts 151 Series Microphones have two internal 20 pF capacitors, one between B+ and Signal, the other between Signal and Ground, designed to reduce EMI interference.