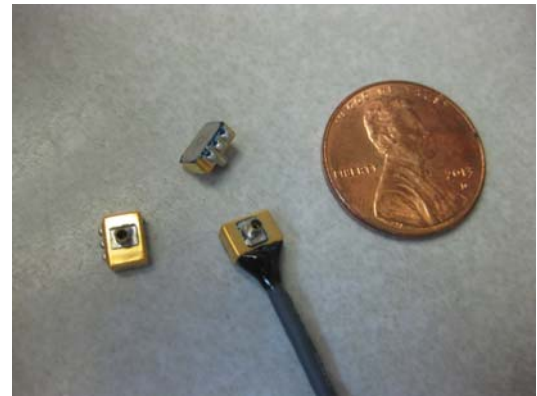


## Features

- Low distortion for high sound pressure levels (SPL)
- Exceptionally high dynamic range
- Based on Sierra Peaks Tibbetts' durable rectangular design
- Sub-miniature size
- Very low inherent noise
- Internal EMI protection



**Model 352-03 microphone**  
(cabled assemblies made upon request)

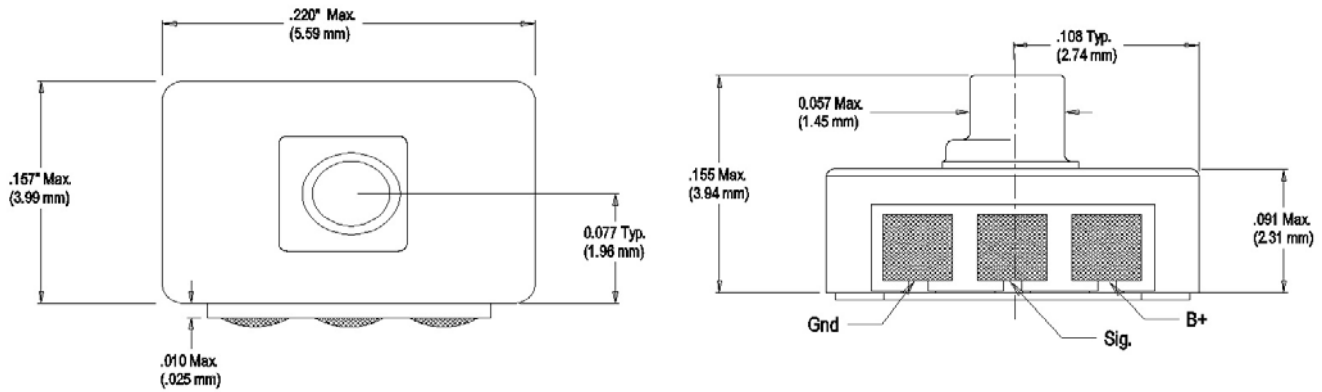
## Performance Specifications

<b>Sound Pressure Capability</b>	- Nominal	135	dB SPL
<b>Sensitivity</b>	- Nominal - Minimum - Maximum	-45 -48 -42	dB re 1 V/Pa @ 1kHz
<b>A-Weighted Noise</b>	- Maximum	25	dBA (sound equivalent)
<b>Supply Voltage</b>	- Nominal - Maximum	6.0 9.0	Volts Volts
<b>Supply current</b>	- Nominal - Maximum	250 600	μA
<b>Output Impedance</b>	- Nominal - Minimum - Maximum	1000 450 3000	Ohms
<b>DC Output level</b>	- Minimum - Maximum	1.5 3.5	Volts (@ 6V supply)
<b>Vibration Sensitivity</b>	- Maximum	66	dB SPL/g
<b>Power Supply Feed Through</b>	- Maximum	-8	dB
<b>Resistance, Case to Ground</b>	- Maximum	10	Ohms
<b>Sensitivity to Humidity</b>	- Maximum	0.06	dB/%R.H. @ 1kHz

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

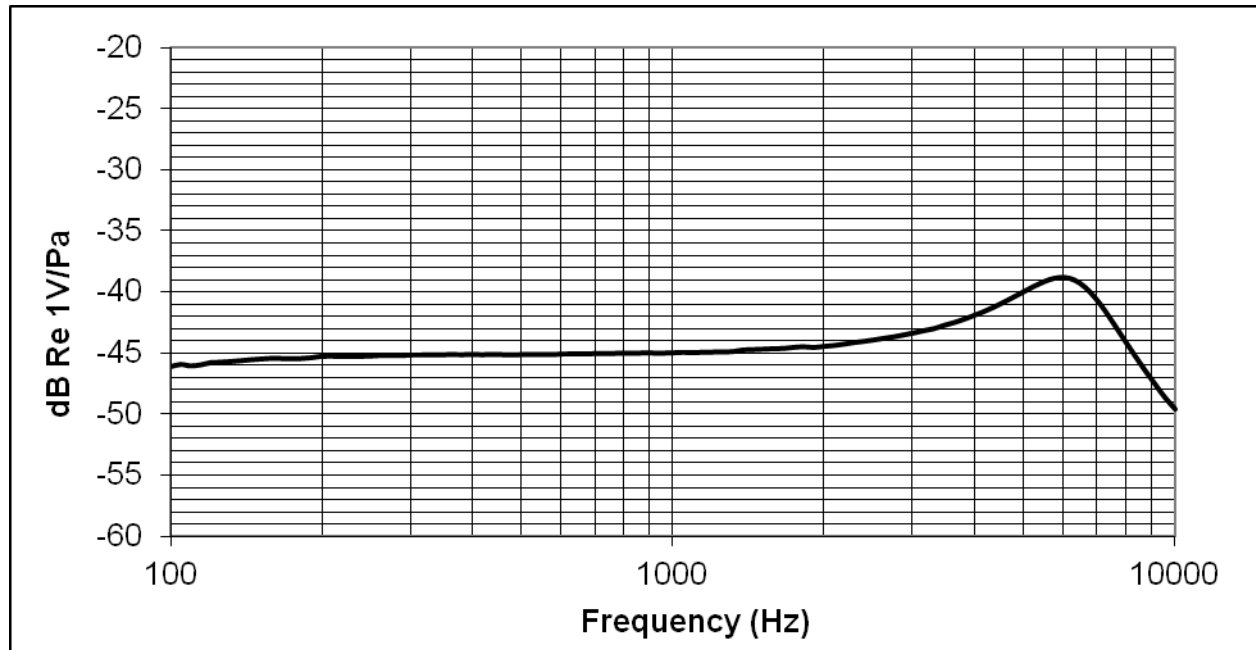
Note: Sierra Peaks Tibbetts 352-03 microphones have two internal 10 pF capacitors, one between B+ and Signal, the other between Signal and Ground, designed to reduce EMI interference.

## Physical Dimensions



## Frequency Response

352-03 High Dynamic Range microphone



## Sensitivity and Unit Conformance

Frequency	Sensitivity dB re 1 V/Pa (10 µbar)		
	Min	Nom	Max
100	-	-	-43.0
1000	-48.0	-45.0	-42.0
~4000	-	-43.0	-
~7000	-	-	-
25000	-	-	-

Device Conformity (Range of Deviation from 1 kHz)		
-5.0	-1.0	dB
--	--	dB
--	--	dB
+2.0	+5.0	dB
--	-2.0	dB