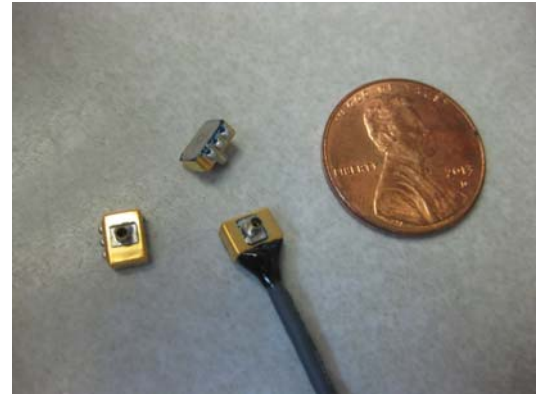


Features

- 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)

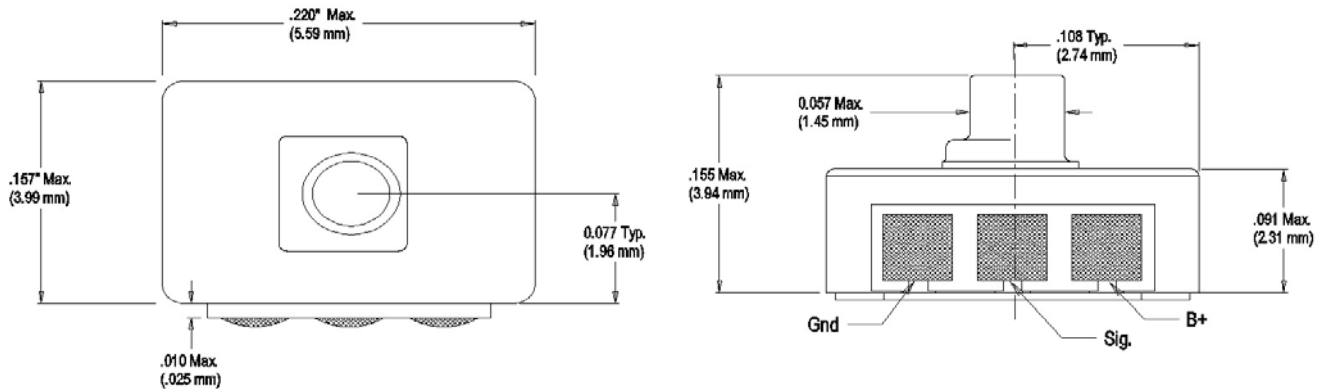
Performance Specifications

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

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

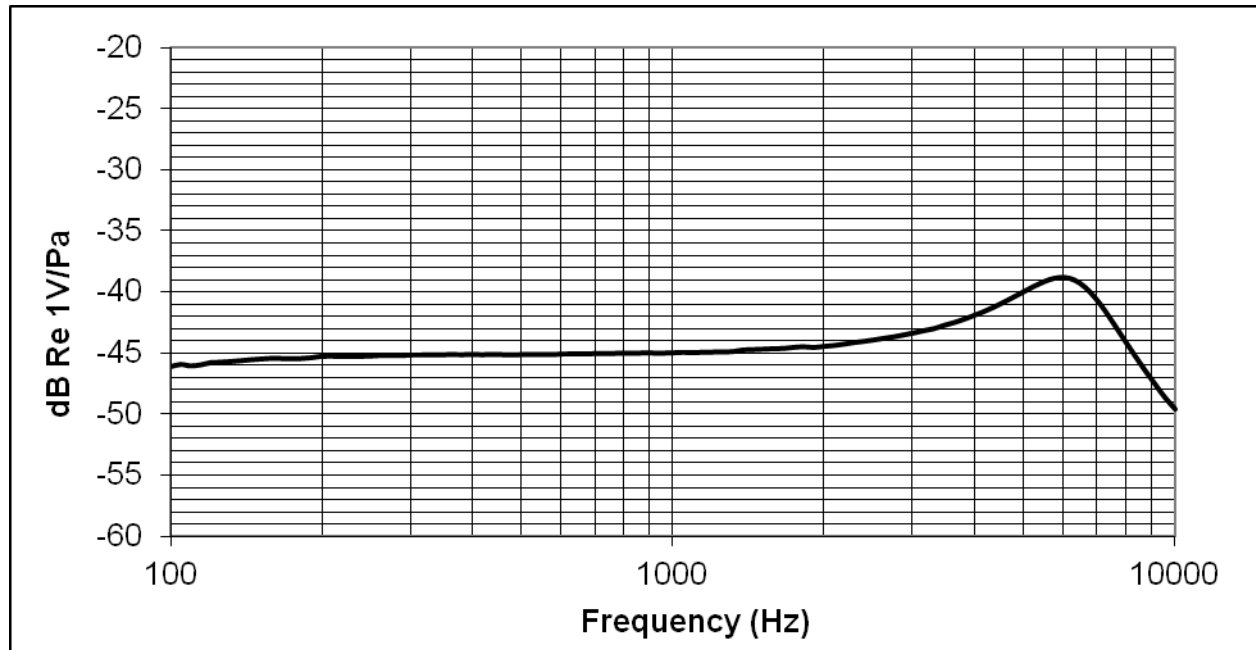
Note: Sierra Peaks Tibbetts 352-03 microphones have two internal 10 pF capacitors, one between B+ and Signal, the other between Signal and Ground, designed to reduce EMI interference.

Physical Dimensions



Frequency Response

352-03 High Dynamic Range microphone



Sensitivity and Unit Conformance

Frequency	Sensitivity dB re 1 V/Pa (10 μ bar)		
	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