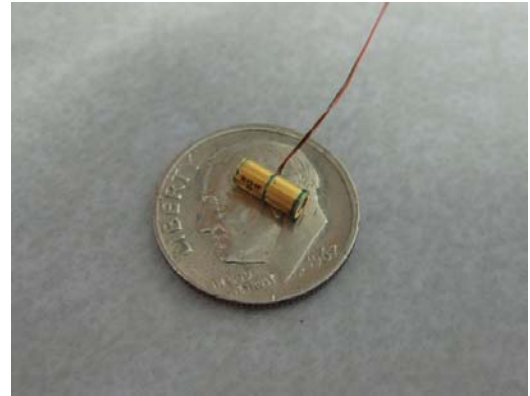


Features

- Cardioid directional pickup pattern
- Based on Sierra Peaks Tibbetts' durable cylindrical design
- Sub-miniature size
- Low inherent noise
- Internal EMI protection
- Configured with wires for a variety of applications



Model 153 microphone
(Fine wire leads included, cabled assemblies made upon request)

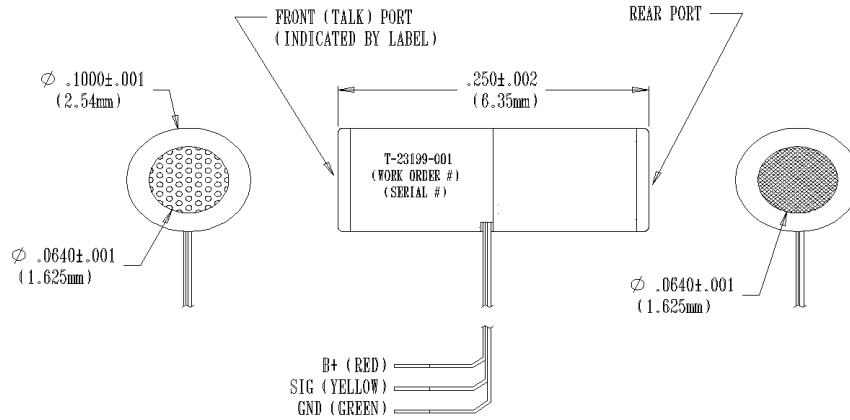
Performance Specifications

Directional pattern	- 1kHz @ 1m	Cardioid	
Sensitivity	- Nominal - Minimum - Maximum	-45 -48 -42	dB re 1 V/Pa @ 1kHz
A-Weighted Noise	- Maximum	35	dB(A) (sound equivalent)
Supply Voltage	- Nominal - Maximum	6.0 9.0	Volts Volts
Sound Pressure Capability	- Minimum	130	dB SPL
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)

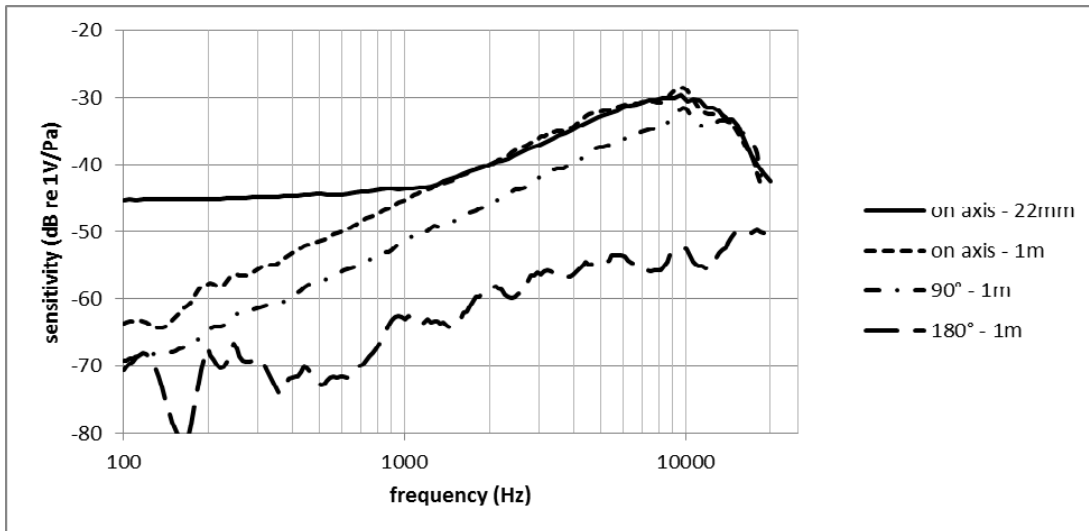
Note: Sierra Peaks Tibbetts 153 microphones have two internal 10 pF capacitors, one between B+ and Signal, the other between Signal and Ground, designed to reduce EMI interference.

Physical Dimensions



Frequency Response

153 Directional Microphone



Polar Pattern

(Test performed at 1m from sound source)

