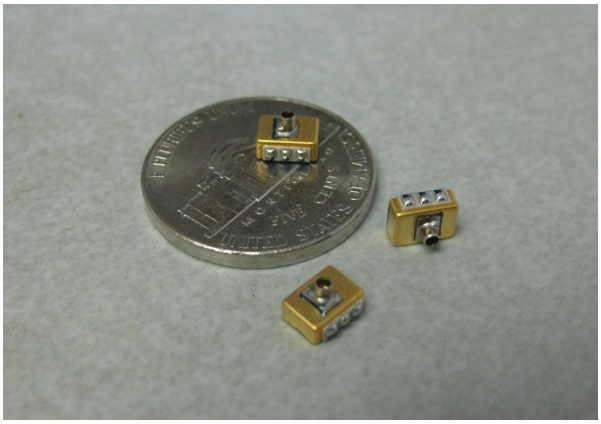
351-03 Microphone

P/N T-21458-002

Microphone Products
Technical Data Sheet

Features

- Sub-miniature size
- Low current drain
- Very low inherent noise
- Ported spout on front face



Model 351-03 microphone
(cabled assemblies made upon request)

Performance Specifications

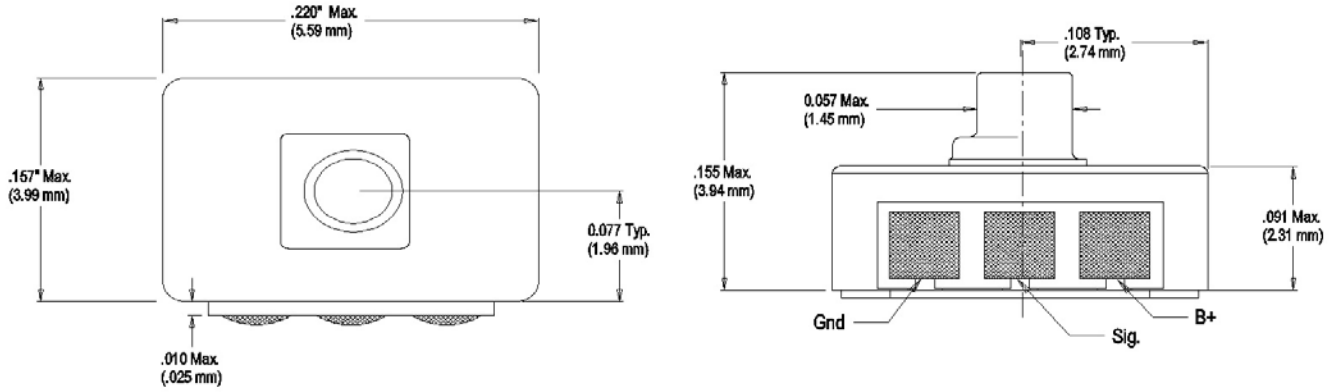
Sensitivity	- Nominal - Minimum - Maximum	-32 -35 -29	dB re 1 V/Pa @ 1kHz
A-Weighted Noise	- Maximum	24	dBA (sound equivalent)
Supply Voltage	- Nominal - Minimum - Maximum	1.2 0.9 5.0	Volts Volts (w/1dB change max.) Volts
Supply current	- Nominal - Maximum	18 50	µA
Output Impedance	- Nominal - Minimum - Maximum	3400 2200 5300	Ohms
DC Output level	- Nominal - Minimum - Maximum	0.5 0.3 0.8	Volts (@ 1.2V supply)
Vibration Sensitivity	- Maximum	66	dB SPL/g
Power Supply Feed Through	- Maximum	-10	dB
Resistance, Case to Ground	- Maximum	10	Ohms

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

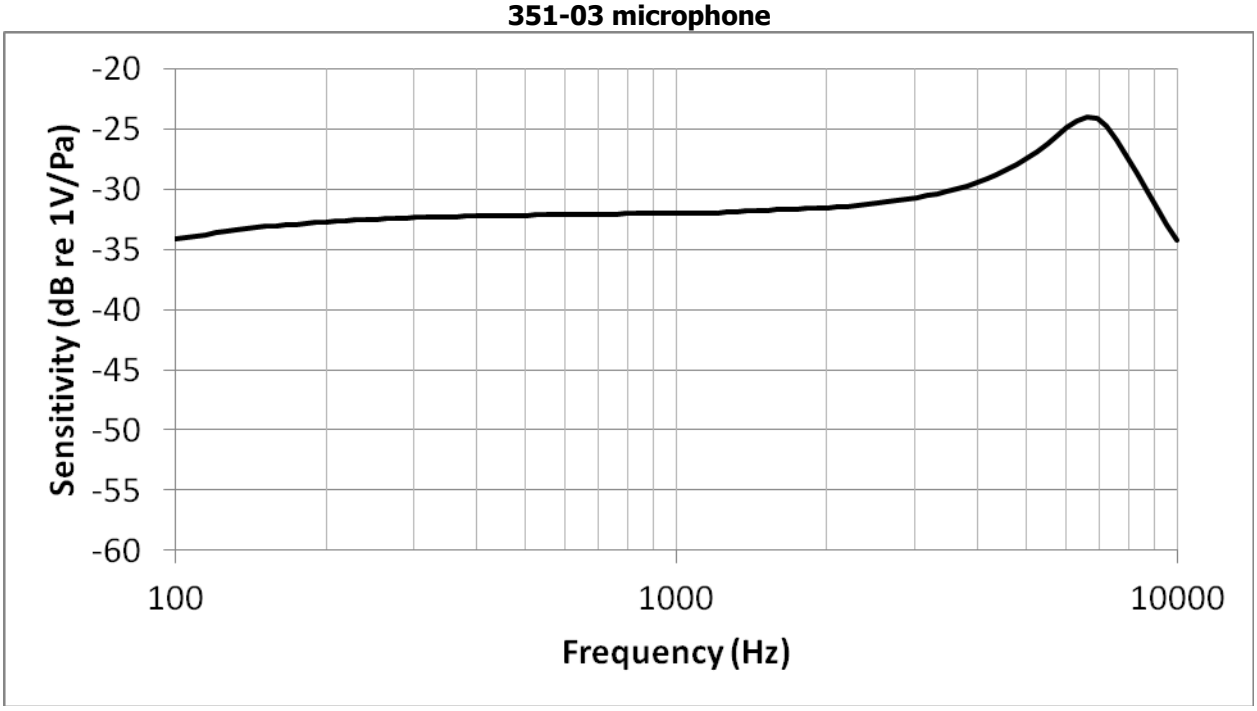
Note: Sierra Peaks Tibbetts 351-03 microphones have two internal 20 pF capacitors, one between B+ and Signal, the other between Signal and Ground, designed to reduce EMI interference.

Sierra Peaks Tibbetts - 5 Colcord Ave - Camden, ME 04843 USA ph: 207.236.3301 fx: 207.236.3303 www.sierra-peaks.com

Physical Dimensions



Frequency Response



Sensitivity and Unit Conformance

	Sensitivity dB re 1 V/Pa (10 µbar)		
Frequency	**Min**	**Nom**	**Max**
100	-	-35.0	-
1000	-35.0	-32.0	-29.0
~7000	-	-25.0	-
25000	-	-	-

Device Conformity (Range of Deviation from 1 kHz)		
-5.0	-1.0	dB
--	--	dB
+5.0	+13.0	dB
--	-10.0	dB

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