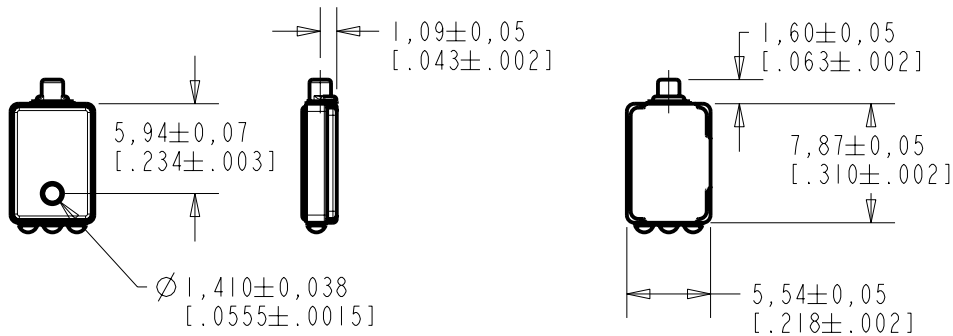

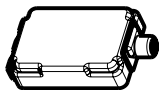
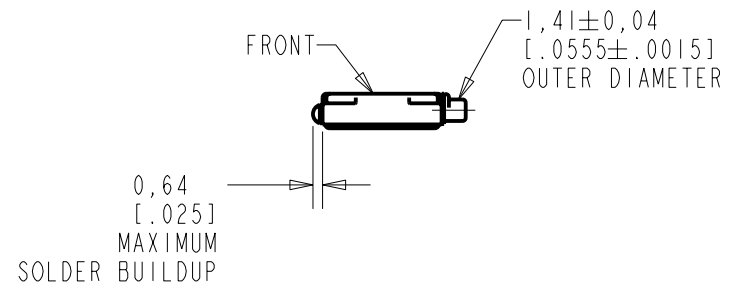
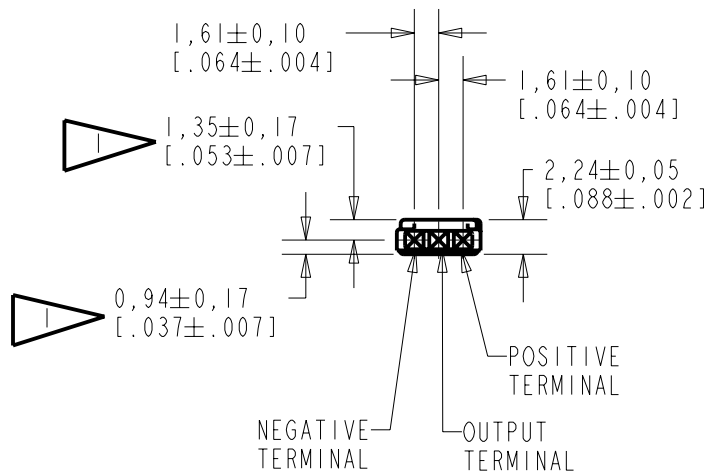


**BW-21814-000**  
SHT 1.1



NOTE:  
 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO  $\pm 0,17$  [ $.007$ ].



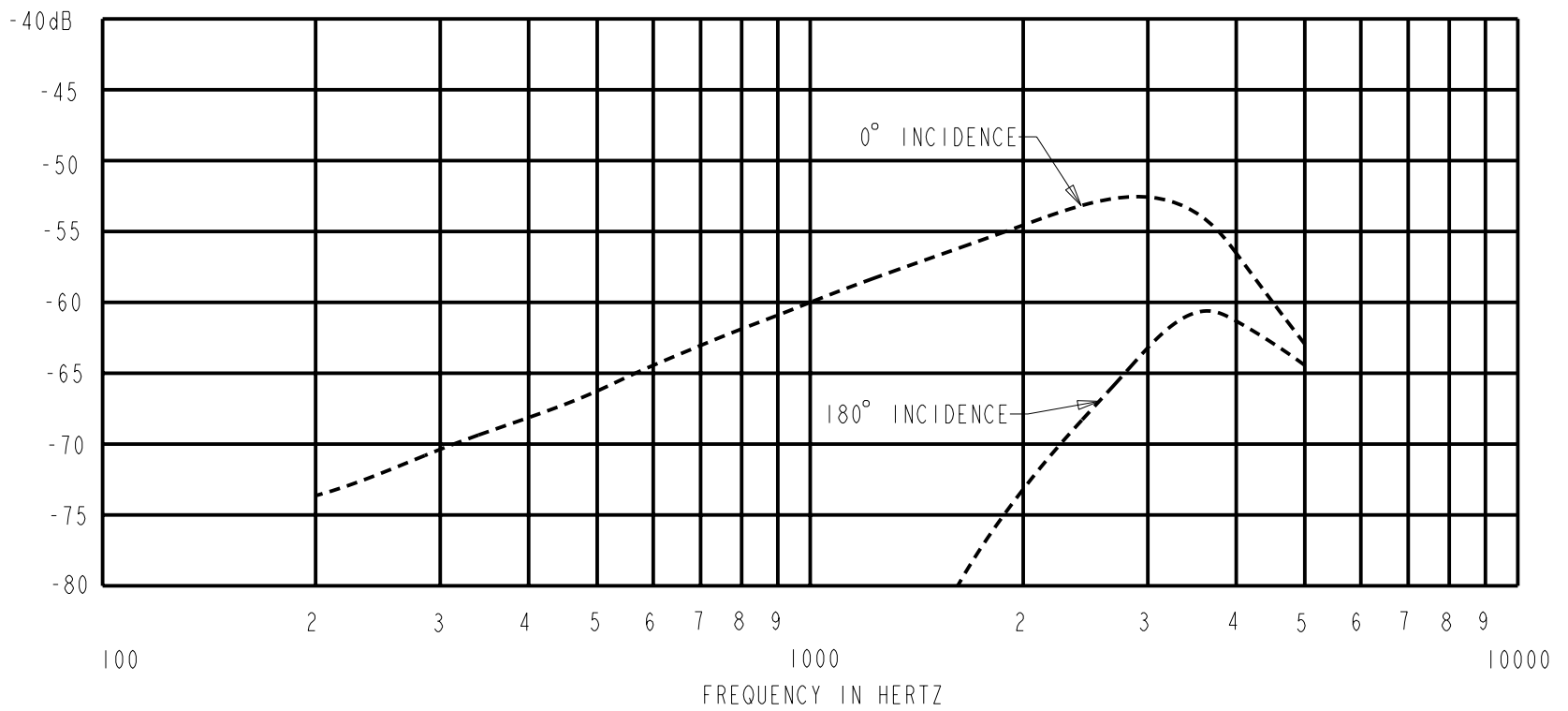
NOMINAL WEIGHT  
.28 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	MI0101526	8-3-07	Released	A
SCALE: 2:1			DR. BY: LSY	DATE: 8-3-07
DO NOT SCALE DRAWING			CK. BY: GJP	DATE: 8-8-07
TITLE: MICROPHONE		BW-21814-000		APP. BY: GJP
OUTLINE DRAWING		SHT 1.1		DATE: 8-8-07

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>) FOR CONDITIONS SHOWN BELOW.

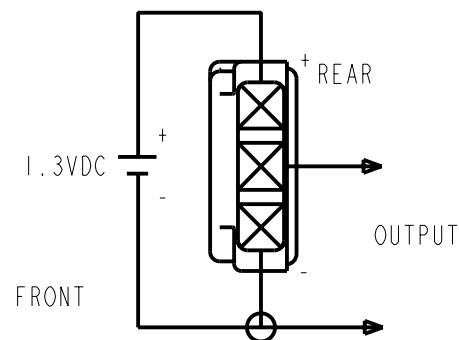


FREQUENCY	SENSITIVITY		
	MIN.	NOM.	MAX.
300	---	-70.5	---
1000	-63.0	-60.0	-57.0
≈3000	---	-53.0	---

DEVICE CONFORMITY		AT 180°
RANGE OF DEVIATION FROM 1KHz AT 0°		
-12.0	-9.0	---
0	0	-2.0 MIN
+3.0	+11.0	---

NOTES:

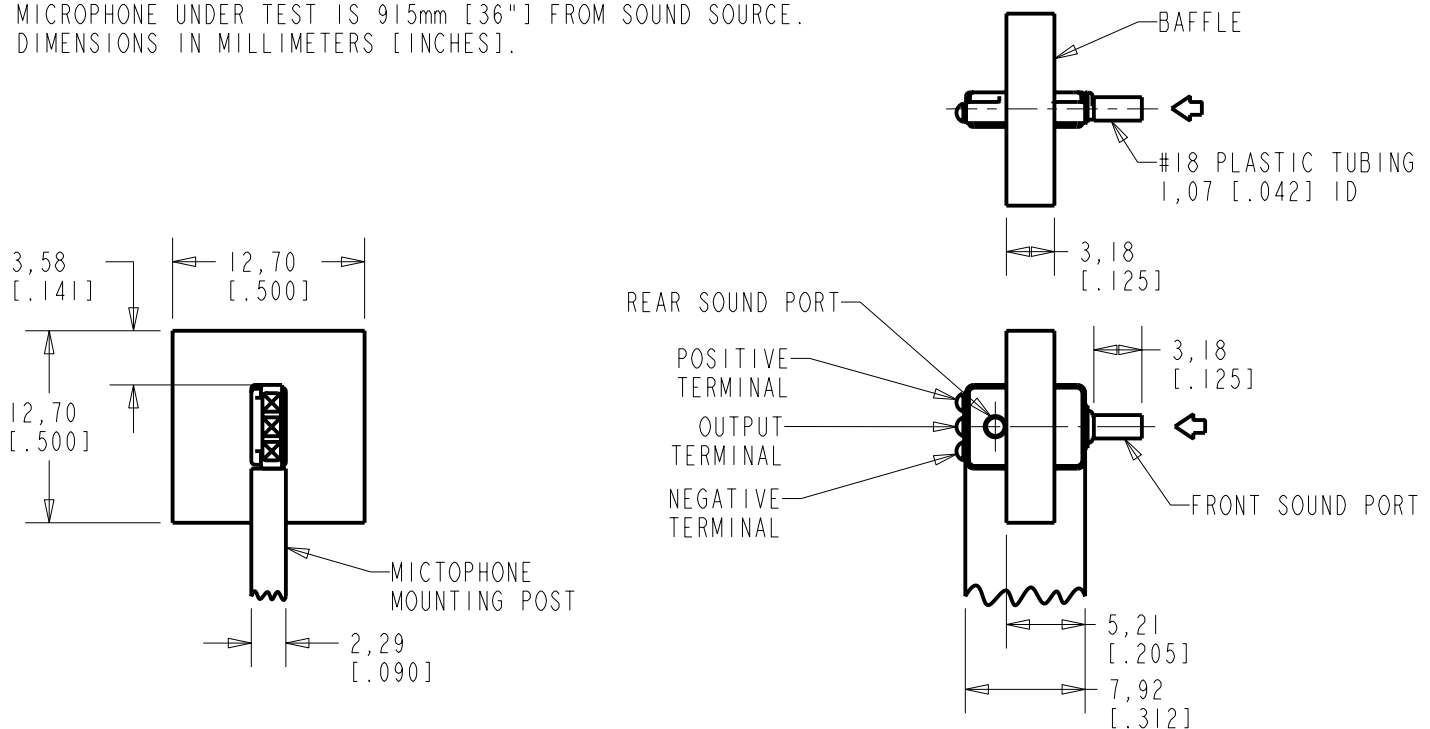
- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- INDIVIDUAL SPECIFICATIONS:



PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 kHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1-2	1-3
12S,0JP	1.3V	50 μA MAX.	3dB MAX	-101 dB MAX	2000	3500	6000	NA	NA

4. FREE-FIELD TEST CONDITIONS:

- ARROW (↔) INDICATES DIRECTION OF SOUND FOR 0° INCIDENCE SENSITIVITY
- MAX 0.25mm [.010"] AIR SPACE ALLOWED BETWEEN BAFFLE AND UNIT UNDER TEST.
- MICROPHONE UNDER TEST IS 915mm [36"] FROM SOUND SOURCE.
- DIMENSIONS IN MILLIMETERS [INCHES].



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101526	8-3-07		

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WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

TITLE: **MICROPHONE** **BW-21814-000**  
PERFORMANCE SPECIFICATION **SHT 2.1**

DR. BY	DATE
LSY	8-3-07
CK. BY	DATE
GJP	8-8-07
APP. BY	DATE
GJP	8-8-07