

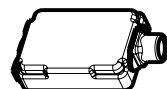
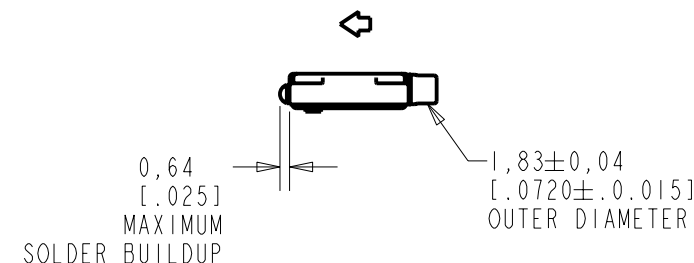
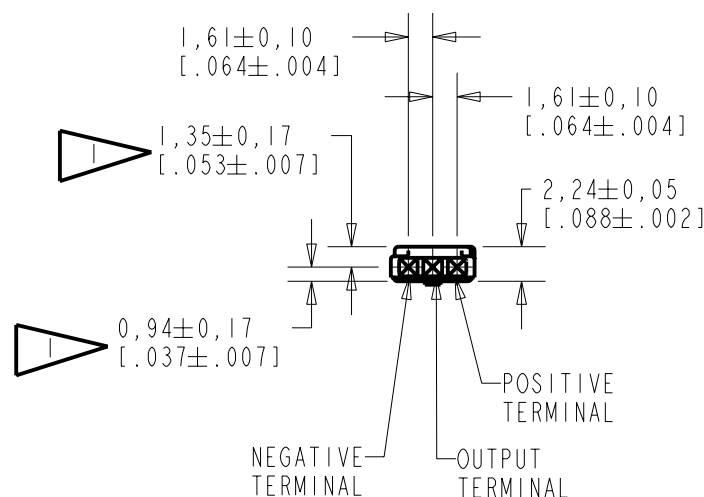
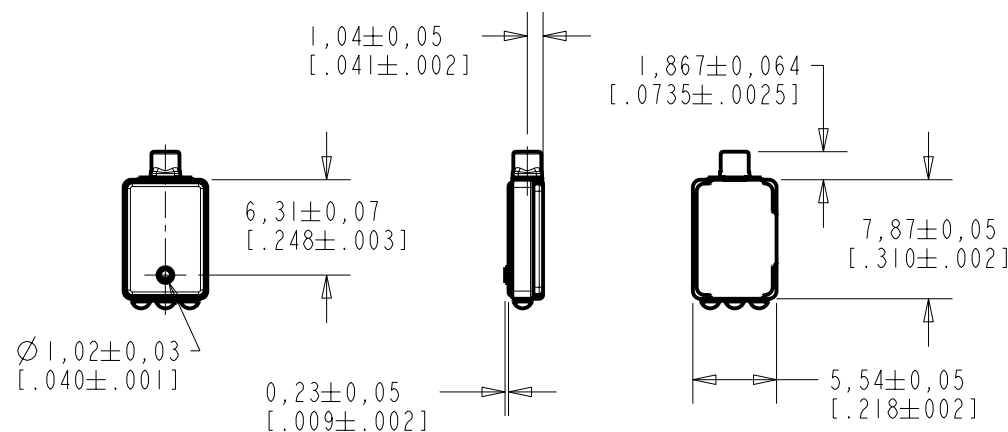
BW-21810-000

SHT 1.1

NOTE:

1 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].

2 ARROW ($\leftrightarrow$) INDICATES DIRECTION OF PROPAGATION OF SOUND WAVE FOR MAXIMUM SENSITIVITY.



NOMINAL WEIGHT
.28 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101318	11-22-06		
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			LSY	11-22-06
TITLE: MICROPHONE OUTLINE DRAWING			CK. BY	DATE
			GJP	11-30-06
			APP. BY	DATE
			GJP	11-30-06

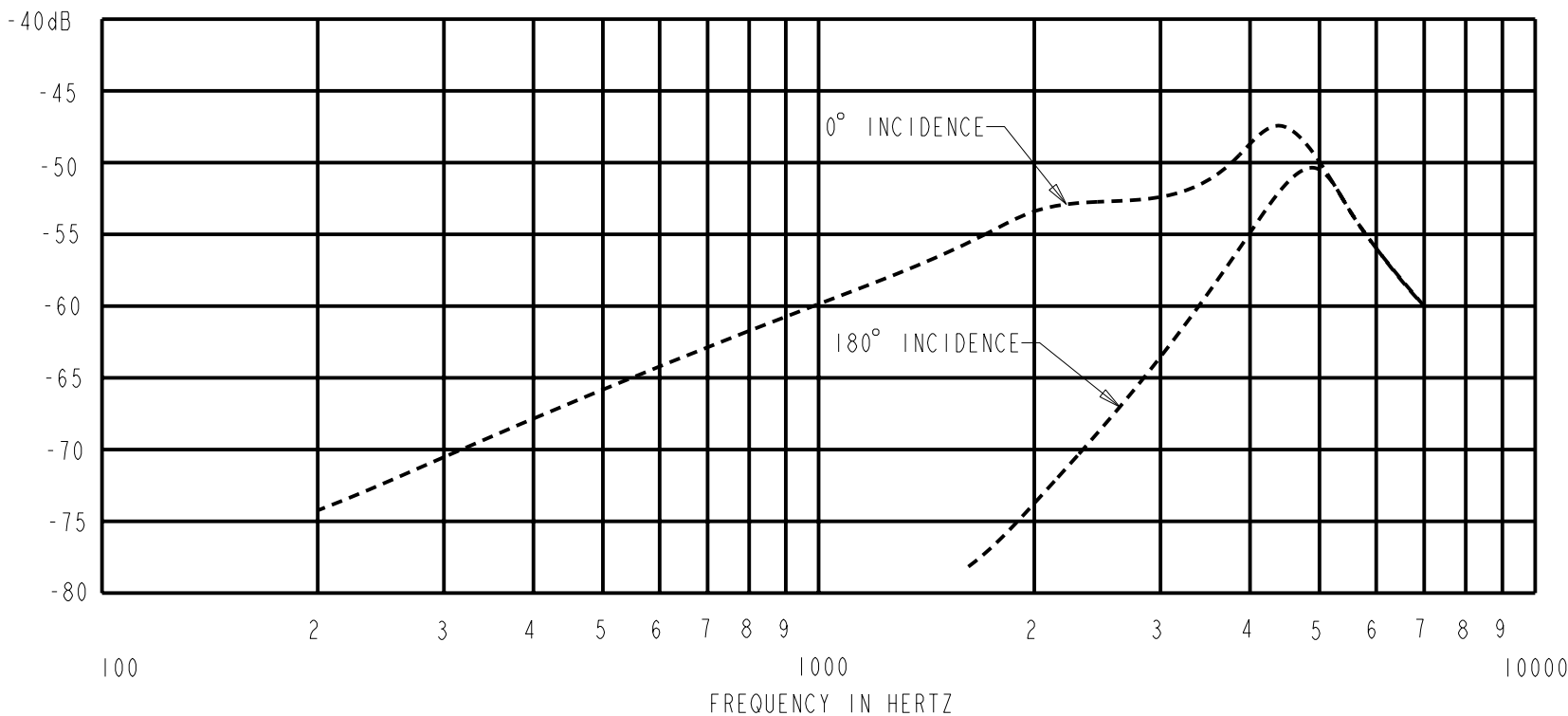
BW-21810-000

SHT 1.1

KE111ASIZE.FRM

Rev: B

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²)
FOR CONDITIONS SHOWN BELOW.



FREQUENCY	SENSITIVITY		
	MIN.	NOM.	MAX.
300	---	-70.5	---
1000	-63.0	-60.0	-57.0
≈ 4300	---	-47.5	---

DEVICE CONFORMITY		
RANGE OF DEVIATION FROM 1kHz AT 0°		AT 180°
-12.0	-9.0	---
0	0	-20.0 MIN
+7.0	+17.0	---

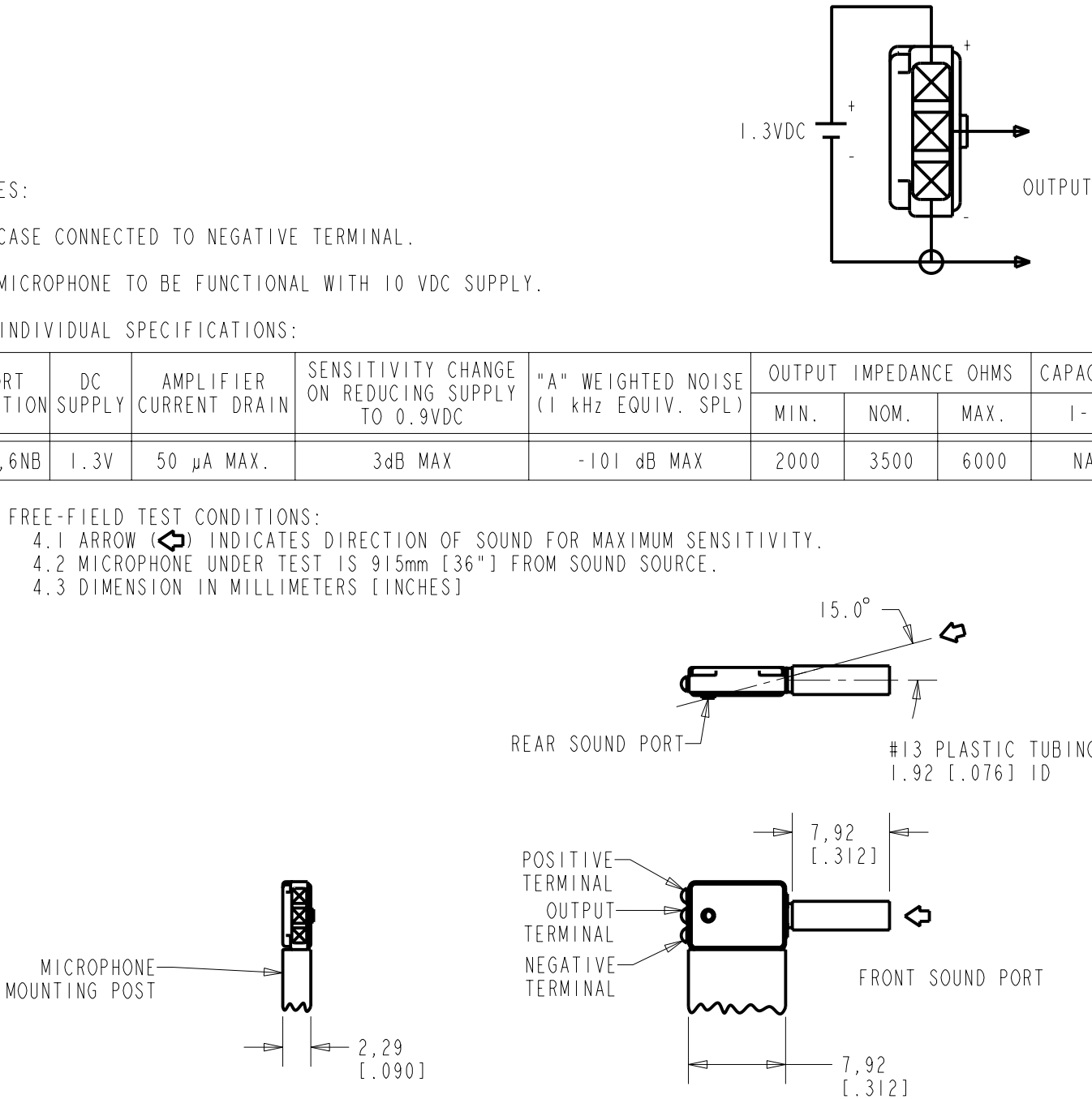
NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
3. 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,6NB	1.3V	50 μA MAX.	3dB MAX	-101 dB MAX	2000	3500	6000	NA	NA

4. FREE-FIELD TEST CONDITIONS:

- 4.1 ARROW (↗) INDICATES DIRECTION OF SOUND FOR MAXIMUM SENSITIVITY.
- 4.2 MICROPHONE UNDER TEST IS 915mm [36"] FROM SOUND SOURCE.
- 4.3 DIMENSION IN MILLIMETERS [INCHES]



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101318	11-22-06		
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			DR. BY LSY	DATE 11-22-06
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY GJP	DATE 11-30-06
			APP. BY	DATE
			GJP	11-30-06
BW-21810-000			SHT 2.1	

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