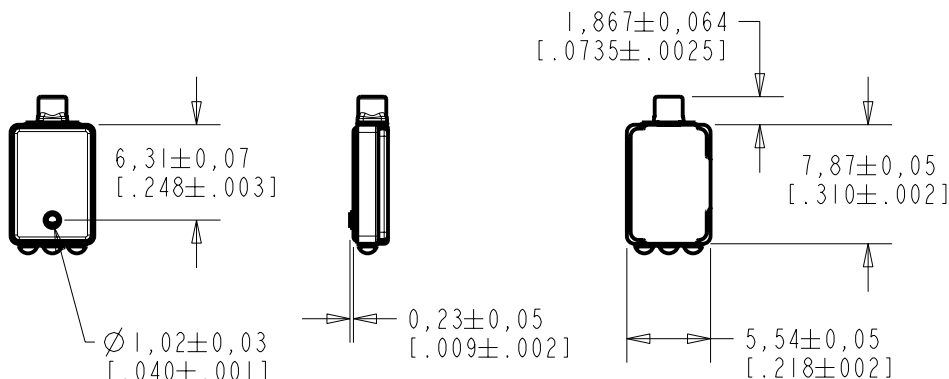


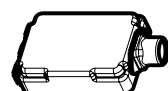
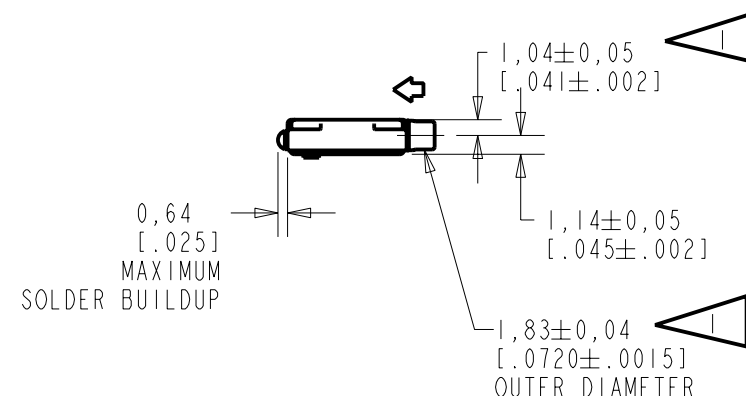
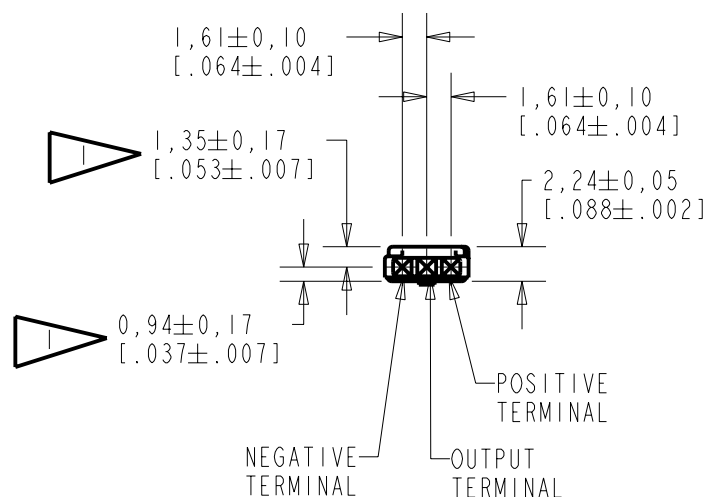
BW-21784-000

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	MI0101308	11-22-06		
SCALE: 2:1			DR. BY LSY	
DO NOT SCALE DRAWING			CK. BY GJP	DATE 12-8-06
TITLE: MICROPHONE		BW-21784-000	APP. BY GJP	DATE 12-8-06
OUTLINE DRAWING		SHT 1.1		

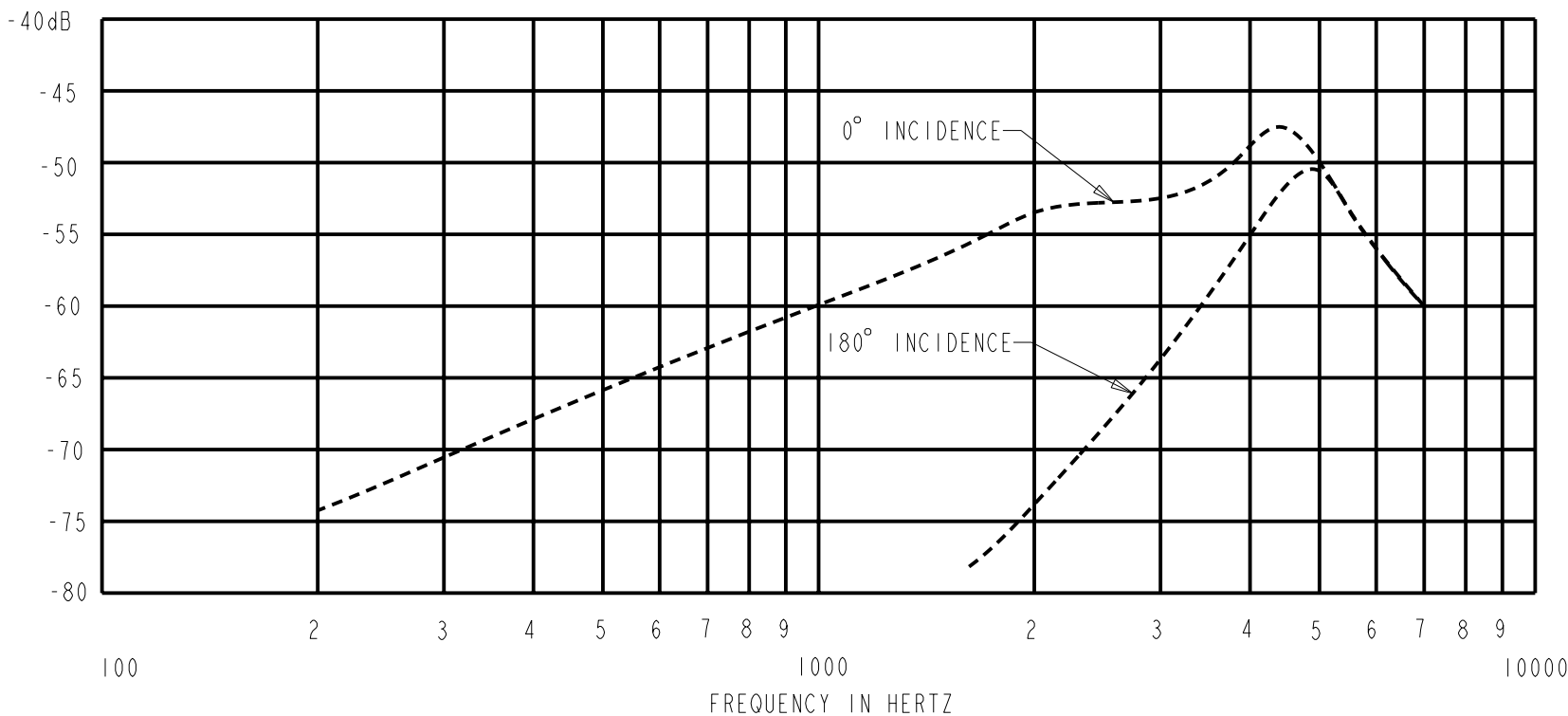
BW-21784-000

SHT 1.1

KE111ASIZE.FRM

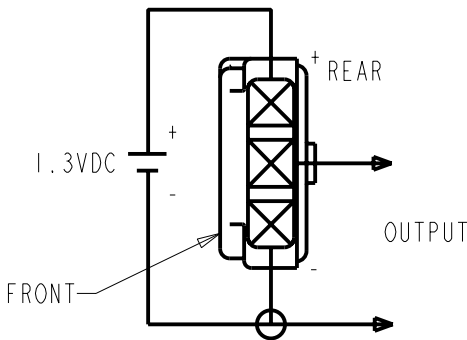
Rev: B

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	-80.0	-57.0
≈ 4300	---	-47.5	---

DEVICE CONFORMITY		
RANGE OF DEVIATION FROM 1KHz AT 0°		
-12.0	-9.0	---
0	0	-23.0 MIN
+7.0	+17.0	---

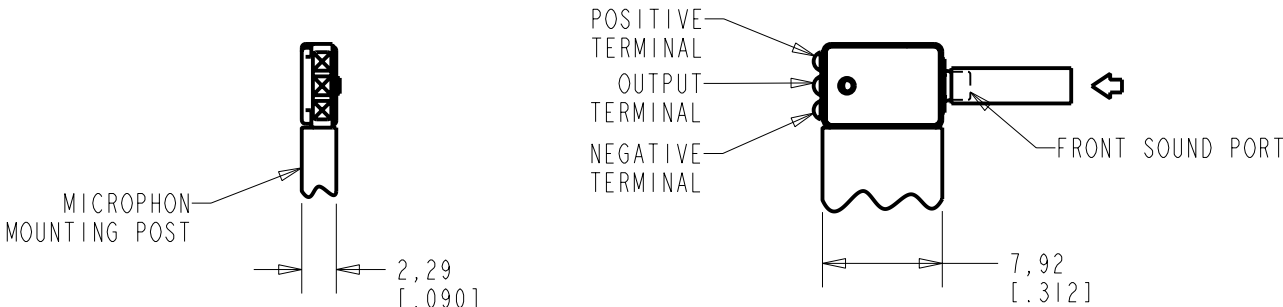
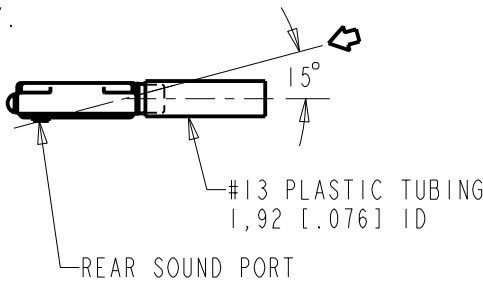


NOTES:

- 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,6NB	1.3V	50 µA MAX.	3dB MAX	-101dB MAX	2000	3500	6000	NA	NA

- FREE-FIELD CONDITIONS:
 - ARROW (↗) INDICATES DIRECTION OF BOUND FOR MAXIMUM SENSITIVITY.
 - MICROPHONE UNDER TEST IS 915mm [36] FROM SOUND SOURCE
 - DIMENSIONS IN MILLIMETERS [INCHES]



SCALE 2:1

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	MI0101308	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	DATE
			LSY	11-22-06
			CK. BY	DATE
			GJP	12-8-06
			APP. BY	DATE
			GJP	12-8-06

TITLE:	MICROPHONE	BW-21784-000
	PERFORMANCE SPECIFICATION	SHT 2.1

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Knowles:

[BW-21784-000](#)