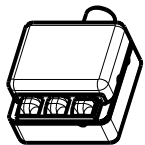
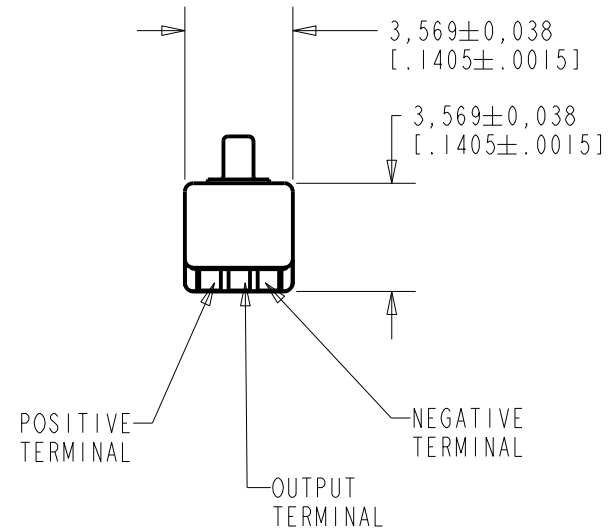
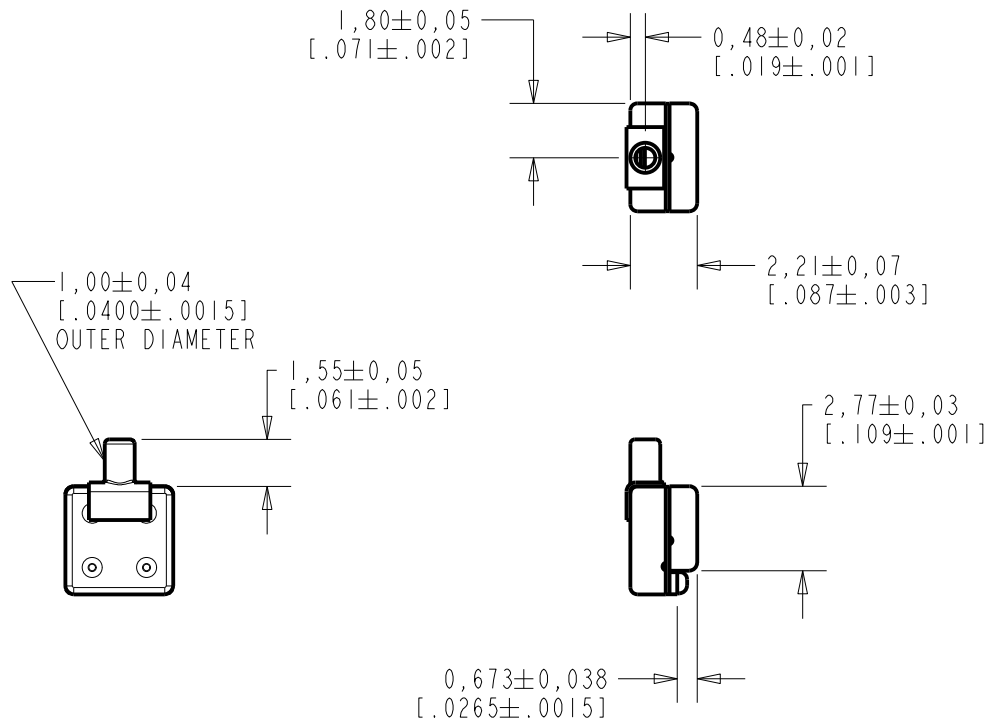


**EM-23047-000**  
SHT 1.1

NOTE:

1. INCREASED PRESSURE AT SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.



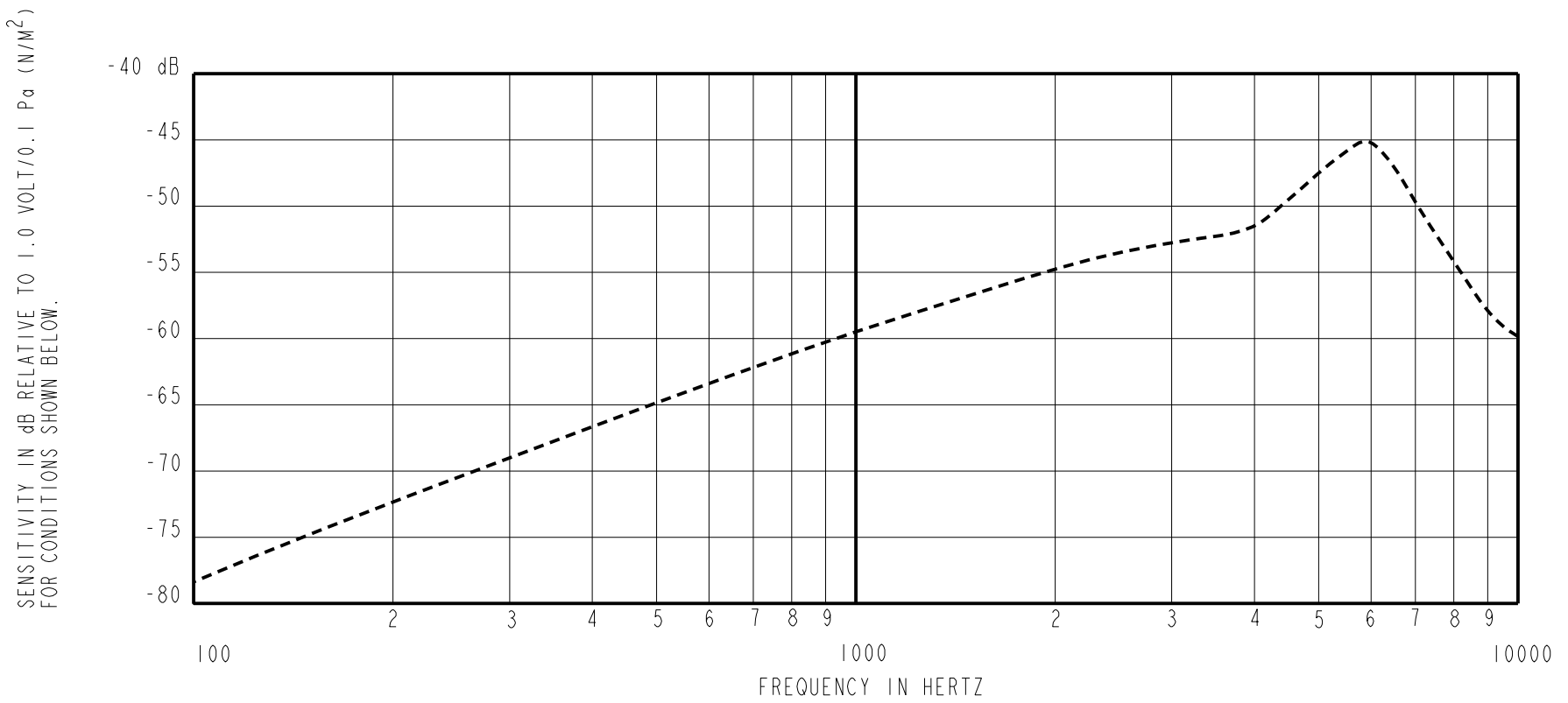
NOMINAL WEIGHT  
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	MI0104420	11-23-11	<b>Active</b>	<b>C</b>
B	MI0102011	6-10-08		
A	MI0101257	10-25-06		

SCALE: <b>4:1</b>		DR. BY: LSY	DATE: 10-25-06
DO NOT SCALE DRAWING			
TITLE: <b>MICROPHONE</b>	<b>EM-23047-000</b>	APP. BY: GJP	DATE: 11-6-06
OUTLINE DRAWING		Rev: B	DATE: 11-6-06

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FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
300	---	-68.5	---	-11.5	-8.5
1000	-62.5	-58.5	-54.5	0.0	0.0
5500	---	-46.5	---	+7.0	+17.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 dB/%RH
- SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (Re 1 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12B	1.3V	50 $\mu$ A MAX.	3 dB MAX.	-97.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	M10104420	11-23-11	<b>Active</b>	<b>C</b>
B	M10102011	6-10-08		
A	M10101257	10-25-06		

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
TITLE: <b>MICROPHONE</b> PERFORMANCE SPECIFICATION		LSY	10-25-06
		CK. BY	DATE
		GJP	11-6-06
		APP. BY	DATE
		GJP	11-6-06

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**EM-23047-000**  
SHT 2.1