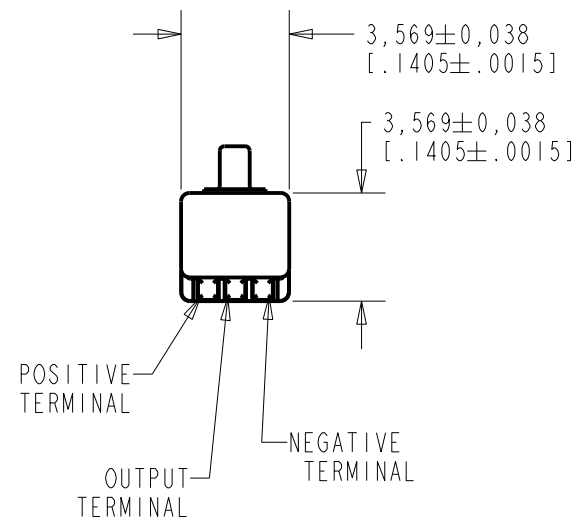
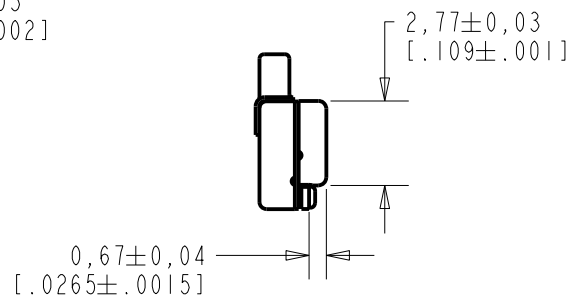
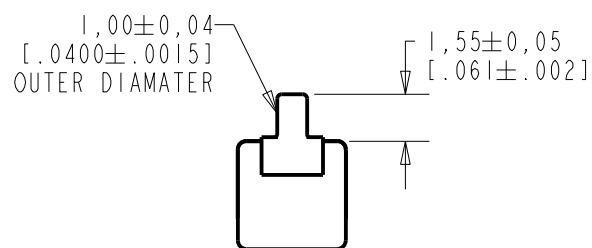
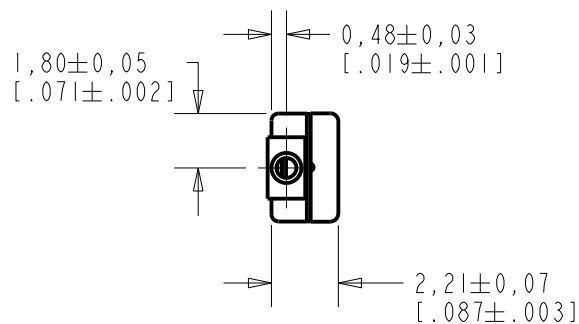


EM-27691-S01

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
			Active	D
D	MI0104420	11-28-11		

SCALE: 4:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE

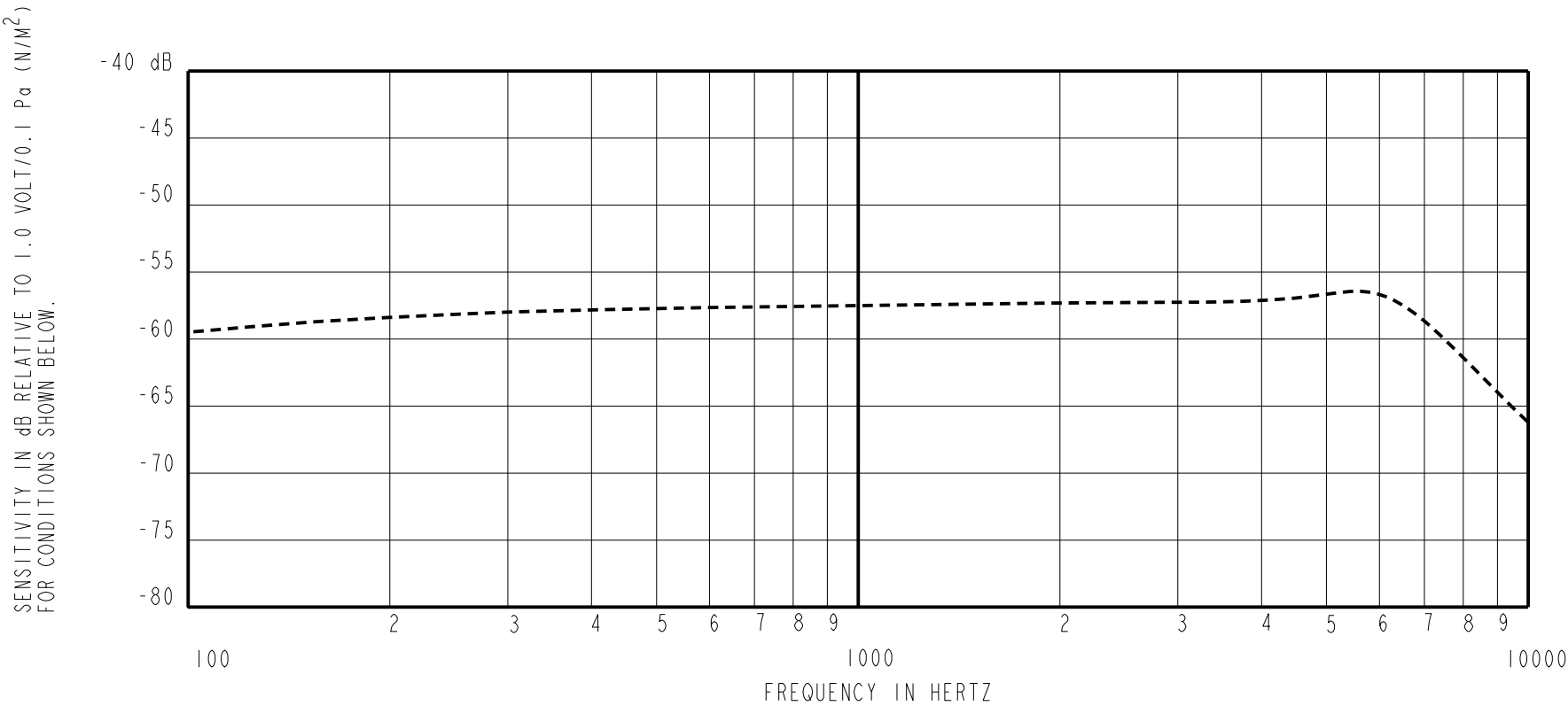
OUTLINE DRAWING

EM-27691-S01

SHT 1.1

DR. BY	DATE
LSY	1-15-07
CK. BY	DATE
GJP	1-18-07
APP. BY	DATE
GJP	1-18-07

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-59.5	---	-3.5	-0.0
1000	-60.5	-57.5	-54.5	0.0	0.0
≈ 5800	---	-56.5	---	+9.0	+15.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 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 (1 KHz EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12B	1.3V	50 μA MAX.	3 dB MAX.	28.0 dB MAX.	2800	4400	6800

KNOWLES ELECTRONICS
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Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
			Active		D	
D	M10104420	11-28-11				
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	1-15-07	
TITLE: MICROPHONE			EM-27691-S01		CK. BY	DATE
					GJP	1-18-07
PERFORMANCE SPECIFICATION			SHT 2.1		APP. BY	DATE
					GJP	1-18-07