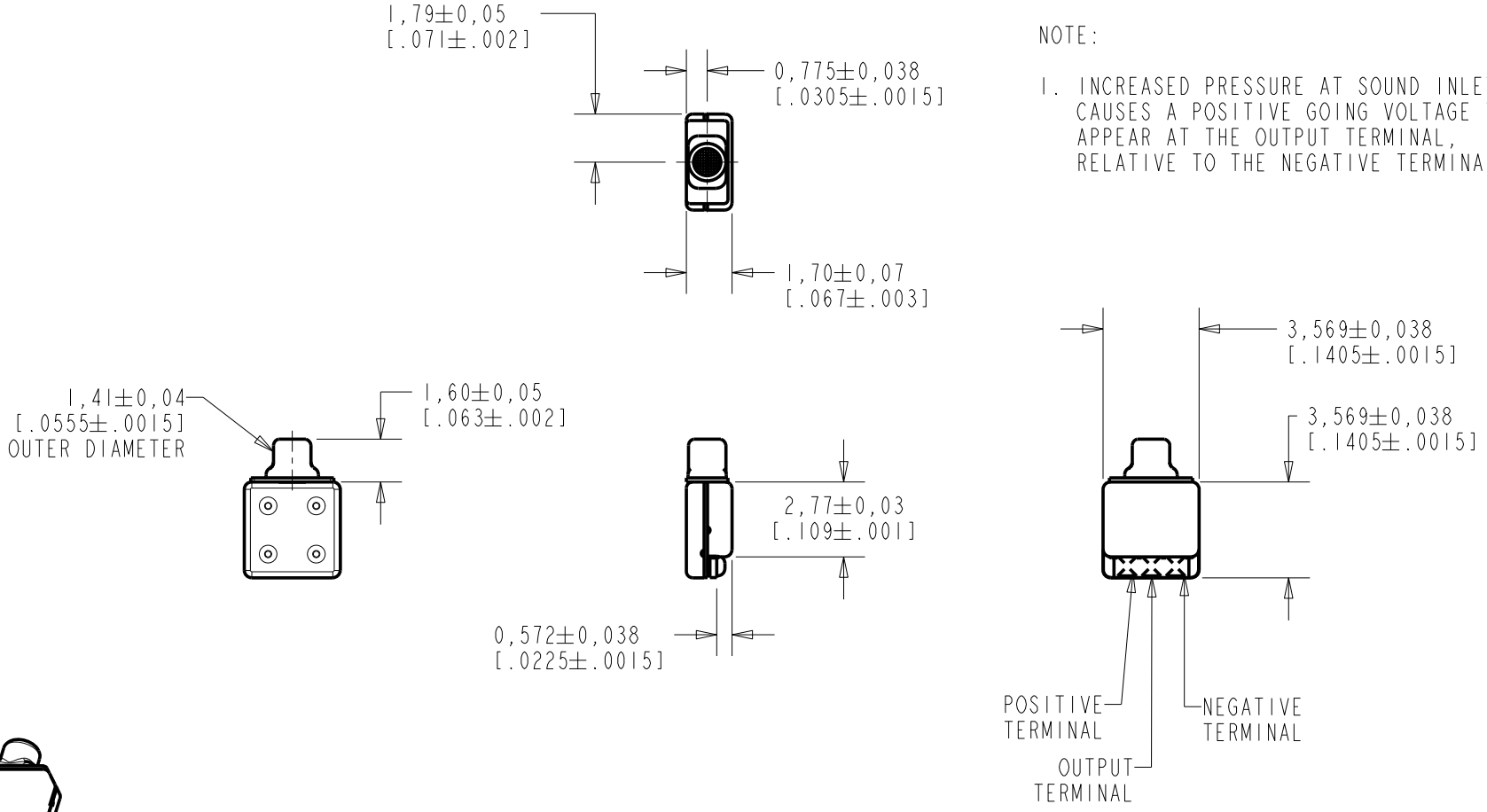
TM-24568-000
SHT 1.1



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
			Active	D
D	M10102769	4-10-09		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 4:1

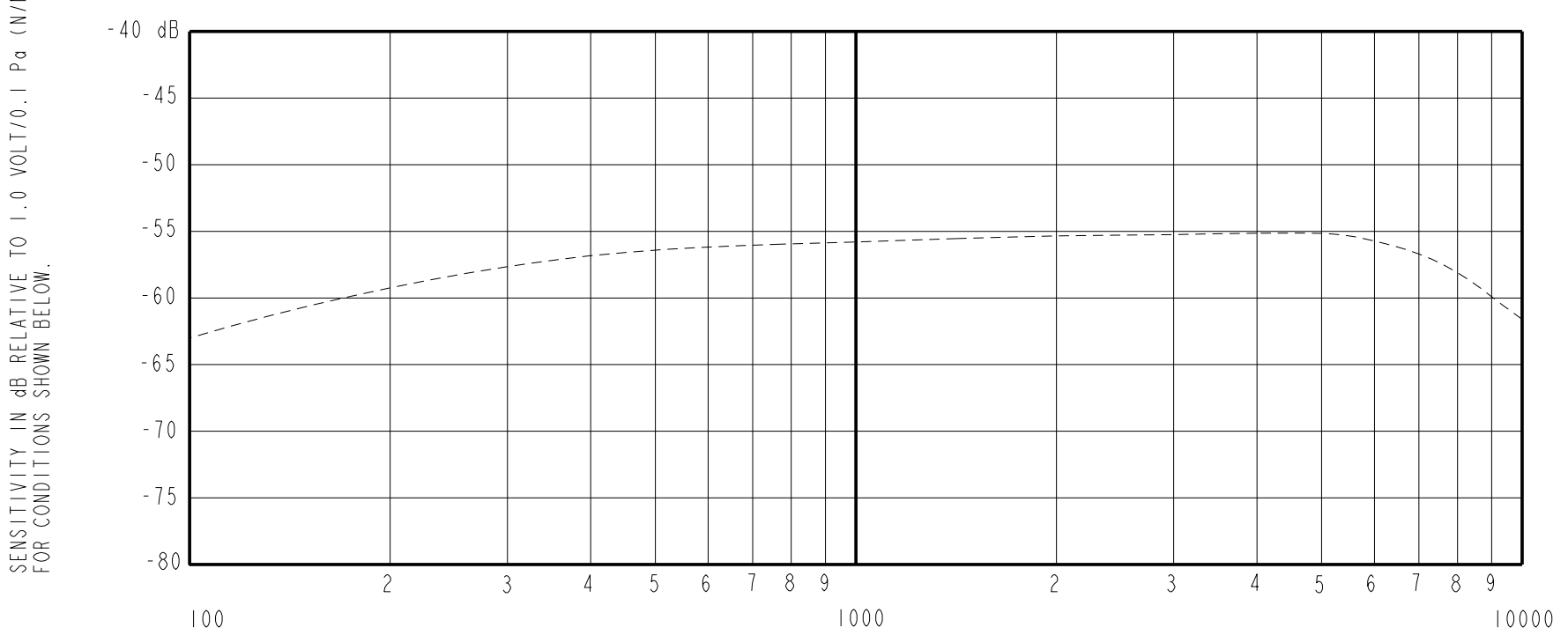
DO NOT SCALE DRAWING

TITLE: MICROPHONE
OUTLINE DRAWING

TM-24568-000
SHT 1.1

DR. BY	DATE
LSY	11-13-06
CK. BY	DATE
GJP	11-22-06
APP. BY	DATE
GJP	11-22-06

KEIIIASIZE.FRM Rev: B



SENSITIVITY

FREQUENCY	MIN.	NOM.	MAX.
100	---	-62.5	---
1000	-59.0	-56.0	-53.0
5800	---	-55.5	---

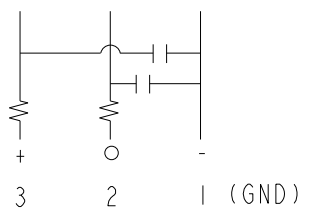
DEVICE CONFORMITY

RANGE OF DEVIATION FROM 1KHz	
-10.0	-3.0
0.0	0.0
-3.0	+4.0

NOTES:
1. CASE CONNECT TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 dB/%RH
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
5. CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 MHz AND 0 VDC. INCLUDES CIRCUIT CAPACITANCE IN PARALLEL WITH CAPACITOR.

PORT LOCATION	DC SUPPLY	AMPLIFIER CURRENT DRAIN	SENSITIVITY CHANGE ON REDUCING SUPPLY TO 0.9VDC	"A" WEIGHTED NOISE (1 KHz EQUIVALENT SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1-2	1-3
12S	1.3V	50 µA MAX.	3 dB MAX.	29.0 dB MAX.	2800	4400	6800	30pF	30pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	C
D	M10102769	4-10-09		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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
PERFORMANCE SPECIFICATION

TM-24568-000
SHT 2.1

DR. BY	DATE
LSY	11-13-06
CK. BY	DATE
GJP	11-22-06
APP. BY	DATE
GJP	11-22-06