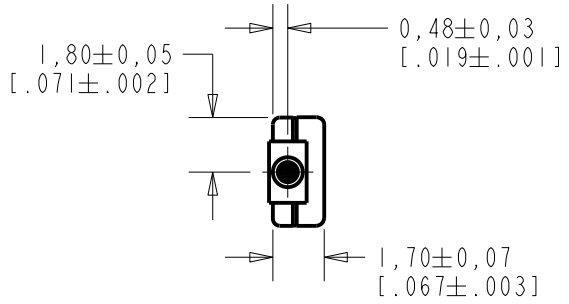
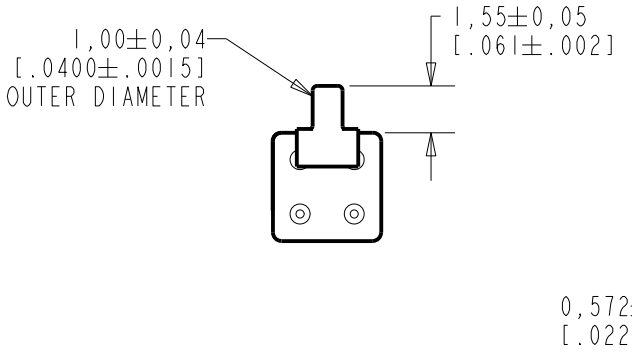
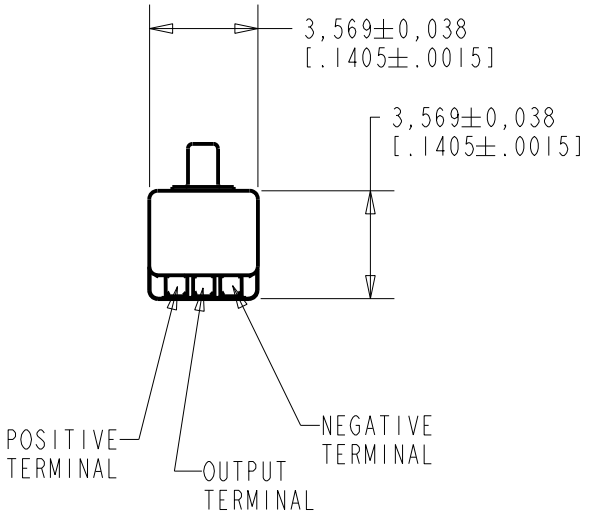
TM-23546-C36
SHT 1.1

NOTES:

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	G
G	M10105778	11-10-14		

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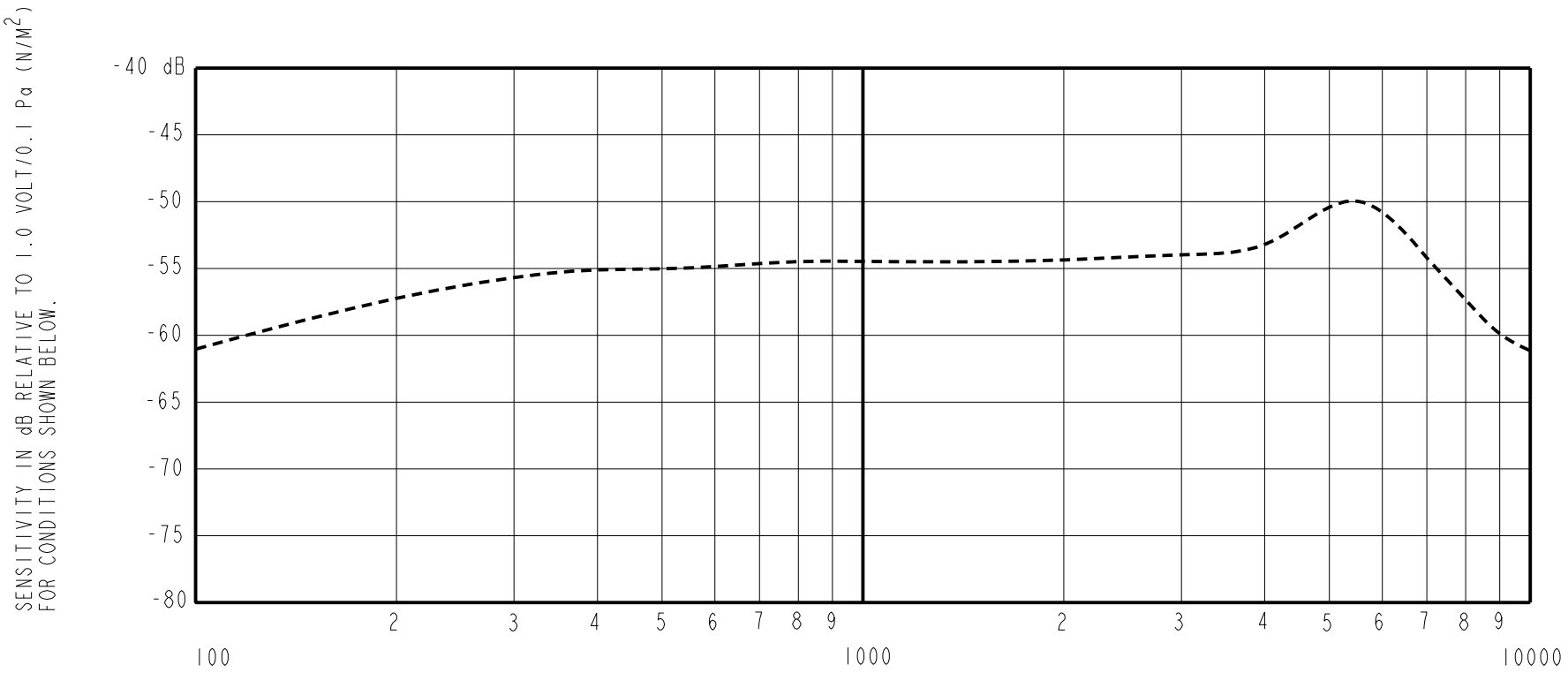
SCALE: 4:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE
OUTLINE DRAWING

TM-23546-C36
SHT 1.1

DR. BY	DATE
MMM	1-4-06
CK. BY	DATE
GJP	1-5-06
APP. BY	DATE
GJP	1-5-06



SENSITIVITY

FREQUENCY	MIN.	NOM.	MAX.
100	---	-61.0	---
1000	-57.5	-54.5	-51.5
≈5000	---	-47.5	---

DEVICE CONFORMITY

RANGE OF DEVIATION FROM 1KHz	
-10.0	-3.0
0.0	0.0
+1.5	+7.5

NOTES:
1. CASE CONNECTED 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.

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.	31.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	G
G	M10105778	11-10-14		

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-23546-C36
SHT 2.1

DR. BY	DATE
MMM	1-4-06
CK. BY	DATE
GJP	1-5-06
APP. BY	DATE
GJP	1-5-06