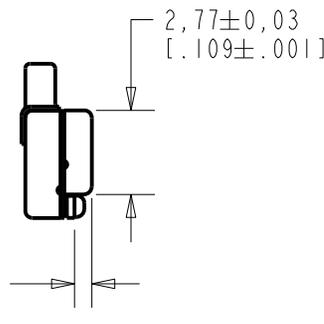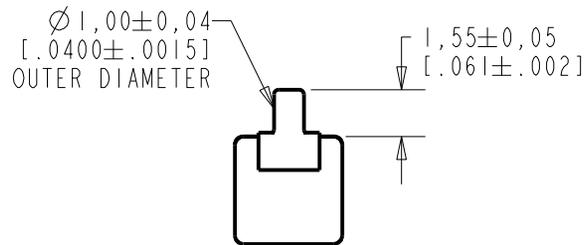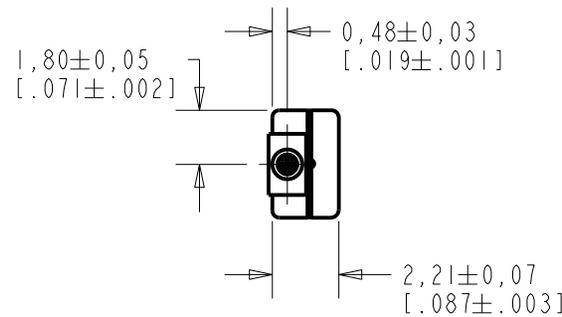NOTE:

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

0,48±0,03
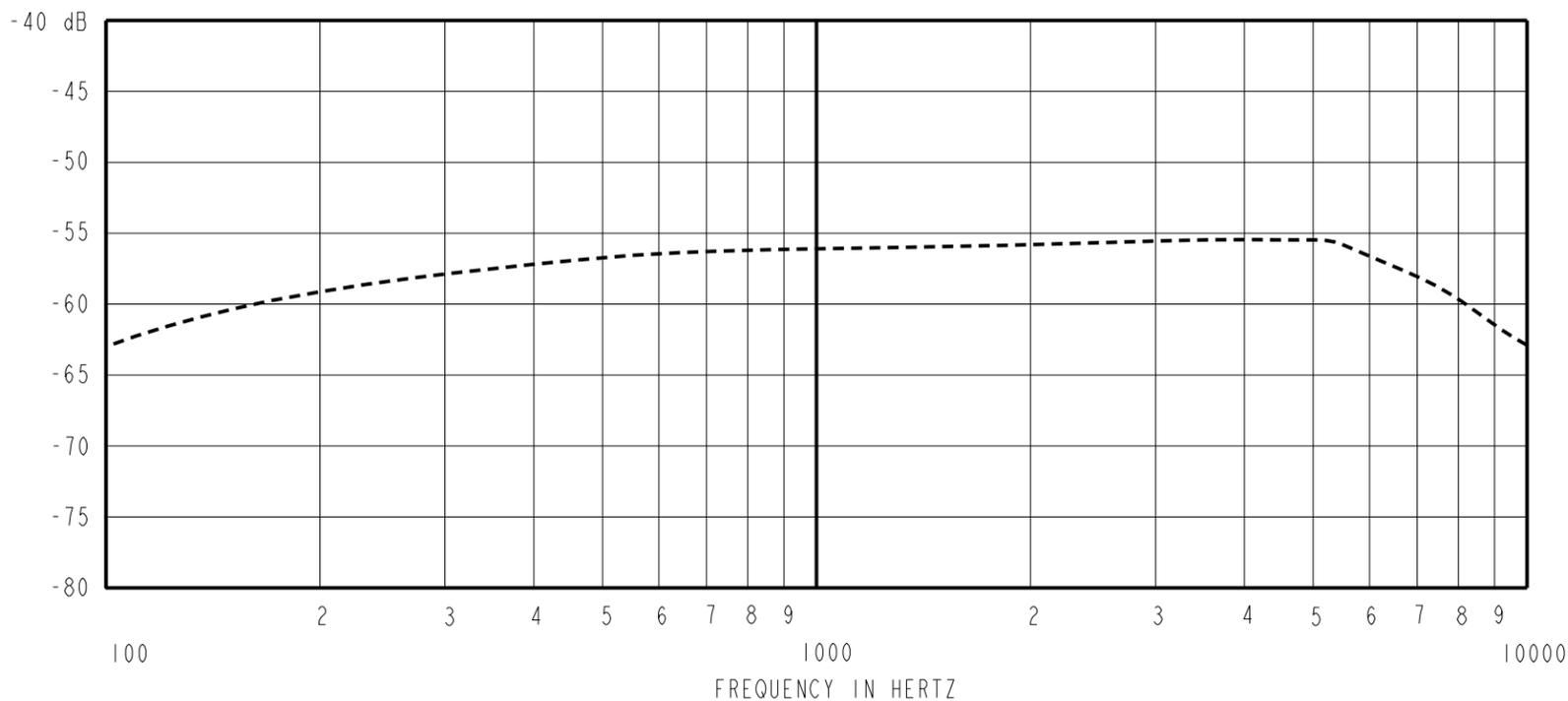[.019±.001]

1,80±0,05
[.071±.002]

2,21±0,07
[.087±.003]

Ø1,00±0,04
[.0400±.0015]
OUTER DIAMETER

1,55±0,05
[.061±.002]

2,77±0,03
[.109±.001]

0,580±0,100
[.0228±.0039]

3,569±0,038
[.1405±.0015]

3,569±0,038
[.1405±.0015]

POSITIVE
TERMINAL

OUTPUT
TERMINAL

NEGATIVE
TERMINAL
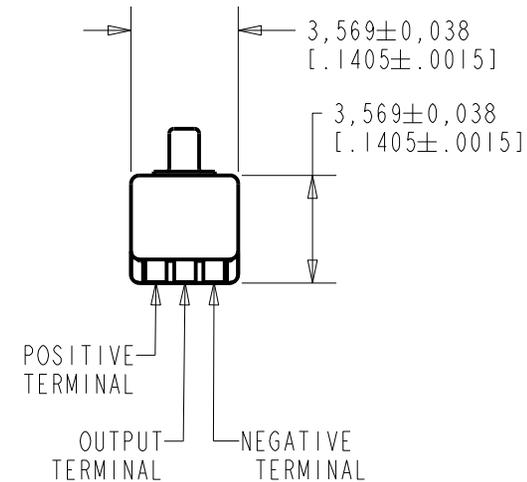
NOMINAL WEIGHT
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	MI0106036	5-21-15	Active	F
E	MI0105775	12-3-14		
D	MI0104420	11-28-11		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 4:1

DO NOT SCALE DRAWING

TITLE: MICROPHONE

EM-23068-000

OUTLINE DRAWING

SHT 1.1

	DR. BY	DATE
	MMM	7-15-05
CK. BY		DATE
	GJP	7-18-05
APP. BY		DATE
	GJP	7-18-05

KE111ASIZE.FRM   Rev: B

SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M²) FOR CONDITIONS SHOWN BELOW.

FREQUENCY IN HERTZ

SENSITIVITY

FREQUENCY	MIN.	NOM.	MAX.
100	---	-63.0	---
1000	-59.0	-56.0	-53.0
≈ 4800	---	-55.5	---

DEVICE CONFORMITY

RANGE OF DEVIATION FROM 1KHz

-10.0	-3.0
0.0	0.0
-3.0	+3.0

NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.

2. MICROPHONE TO BE FUNCTIONAL WITH 10 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
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D	MI0104420	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

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

	DR. BY	DATE
	MMM	7-15-05
	CK. BY	DATE
	GJP	7-18-05
	APP. BY	DATE
	GJP	7-18-05

TITLE: **MICROPHONE** EM-23068-000

PERFORMANCE SPECIFICATION SHT 2.1

Mouser Electronics

Authorized Distributor

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  [EM-23068-000](#)