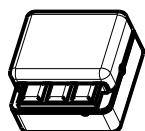
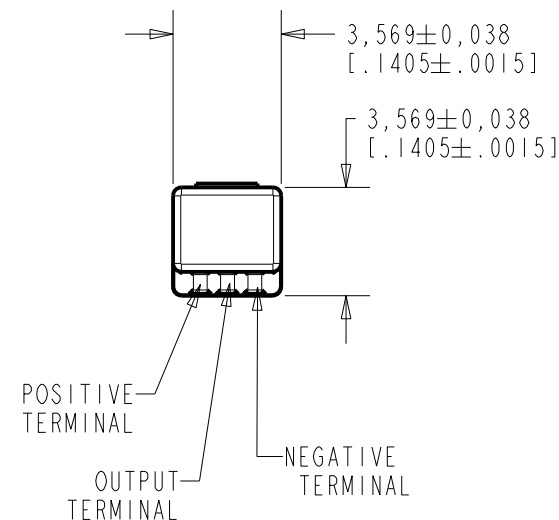
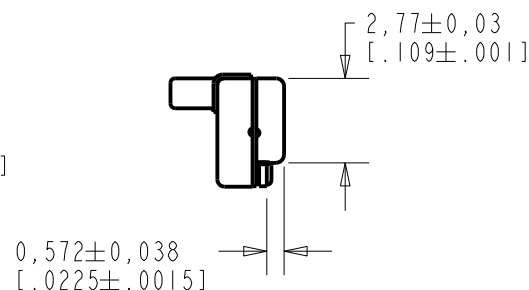
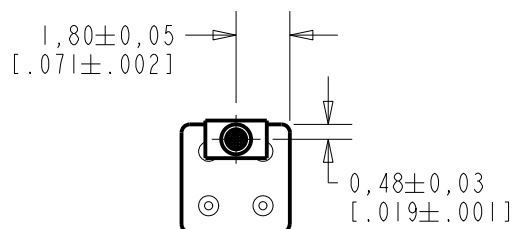
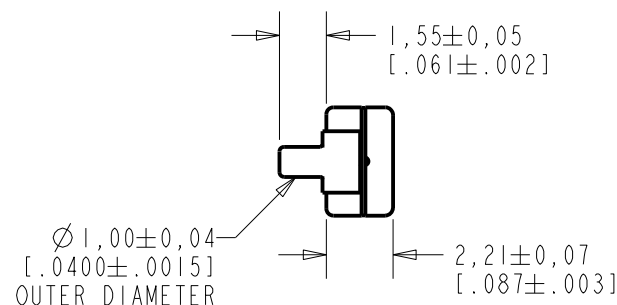


EM-23456-C36

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

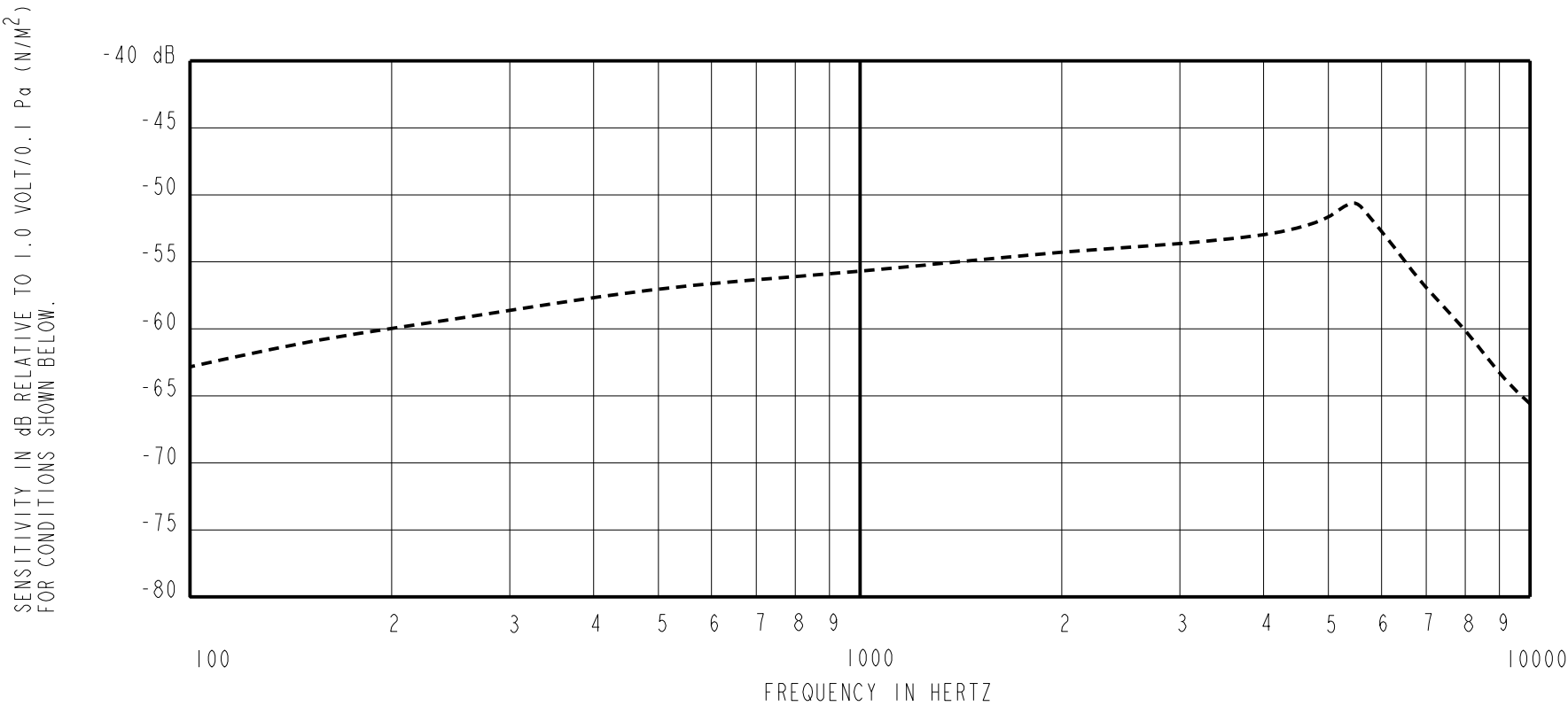
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	G
G	MI0104543	3-14-12		
SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	7-14-05
TITLE: MICROPHONE			CK. BY	DATE
OUTLINE DRAWING			GJP	7-15-05
EM-23456-C36			APP. BY	DATE
SHT 1.1			GJP	7-15-05

KE111ASIZE.FRM

Rev: B



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-62.5	---	-10.0	-3.0
1000	-59.0	-56.0	-53.0	0.0	0.0
≈ 5400	---	-51.0	---	+1.5	+7.5

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 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.
- TYPICAL FEEDTHROUGH ATTENUATION: 70 dB SPL (1 kHz PRODUCED BY 10 mV RMS VARIATION OF BATTERY VOLTAGE).

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.
12KP	1.3V	50 μA MAX.	3 dB MAX.	28.0 dB MAX.	2800	4400	6800

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Active		G
G	MI0104543	3-14-12			
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
				MMM	7-14-05
TITLE: MICROPHONE PERFORMANCE SPECIFICATION				CK. BY	DATE
				G JP	7-15-05
EM-23456-C36 SHT 2.1				APP. BY	DATE
				G JP	7-15-05