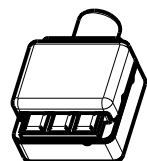
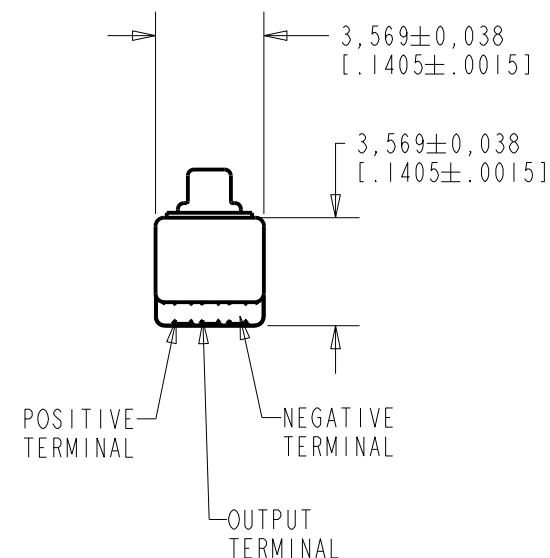
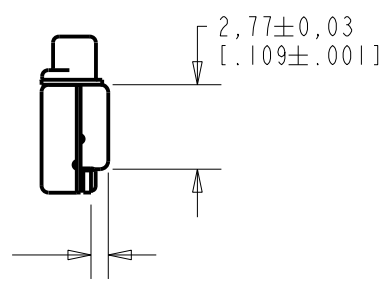
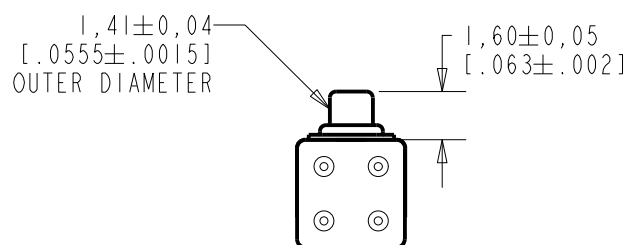
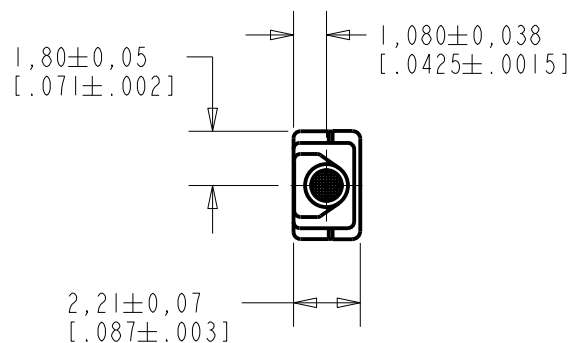


EM-24368-C54

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.

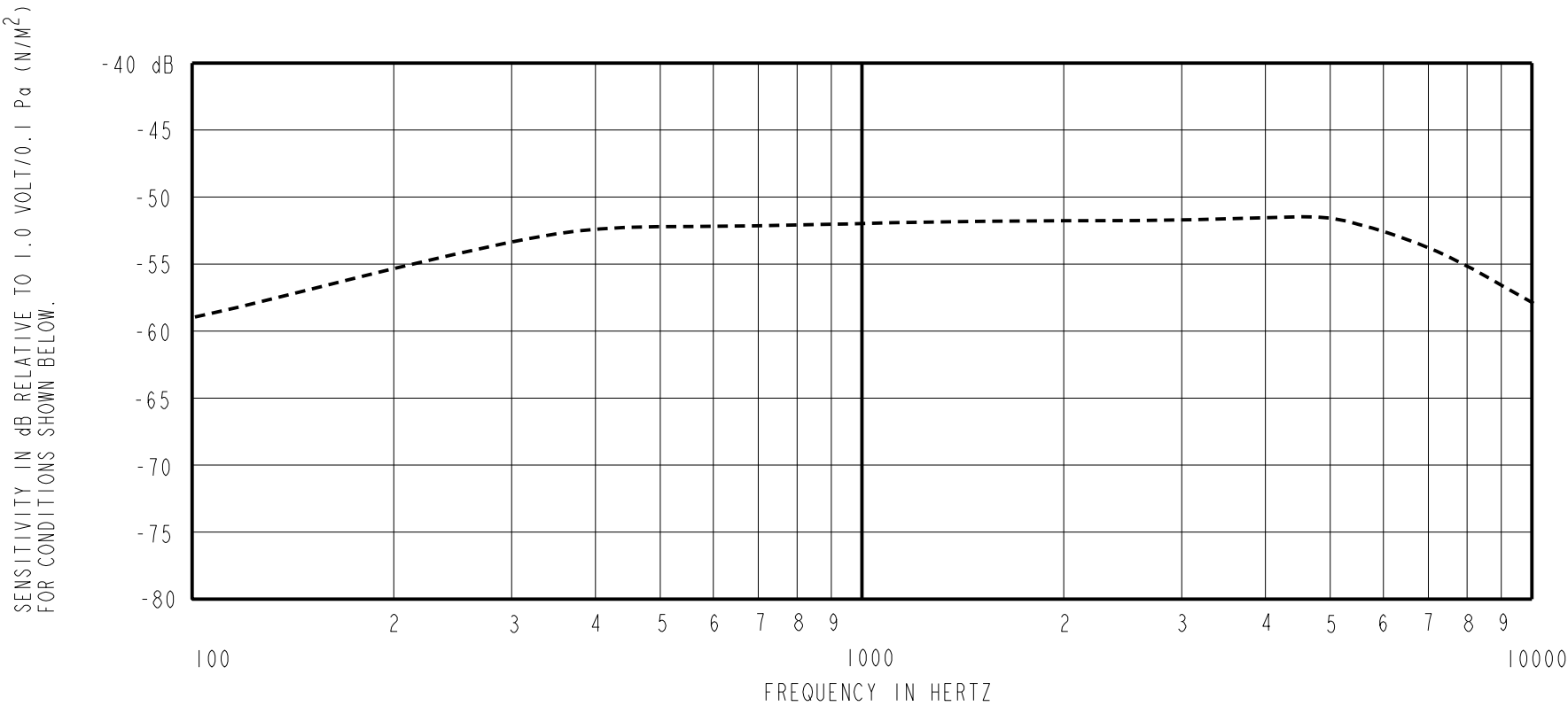


NOMINAL WEIGHT
.08 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
H	MI0104770	8-14-12	Active	H
G	MI0104055	3-28-11		
SCALE: 4:1			DR. BY DATE	
DO NOT SCALE DRAWING			MMM 12-29-05	
TITLE: MICROPHONE			CK. BY DATE	
OUTLINE DRAWING			GJP 1-2-06	
EM-24368-C54			APP. BY DATE	
SHT 1.1			GJP 1-2-06	



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-59.0	---	-10.0	-3.0
1000	-55.0	-52.0	-49.0	0.0	0.0
4800	---	-51.5	---	-3.0	+3.0

SUPPLY IN PACKS WITH 1000 HZ SENSITIVITY GRADES

GRADE	MIN (dB)	MAX. (dB)
A	-51.0	-49.0
B	-53.0	-51.0
C	-55.0	-53.0

- 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.
 - CAPACITANCE MEASUREMENT MADE WITH BOONTON MODEL 7200 OR EQUIVALENT WITH APPLIED AC VOLTAGE OF 15 mVOLTS AT 1 MHz AND 0 VDC. INCLUDES CIRUICT 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 EQUIV. SPL)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	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		F
H	M10104770	8-14-12			
G	M10104055	3-28-11			
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	
			MMM	12-29-05	
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			CK. BY	DATE	
			GJP	1-2-06	
			APP. BY	DATE	
			GJP	1-2-06	

EM-24368-C54
SHT 2.1