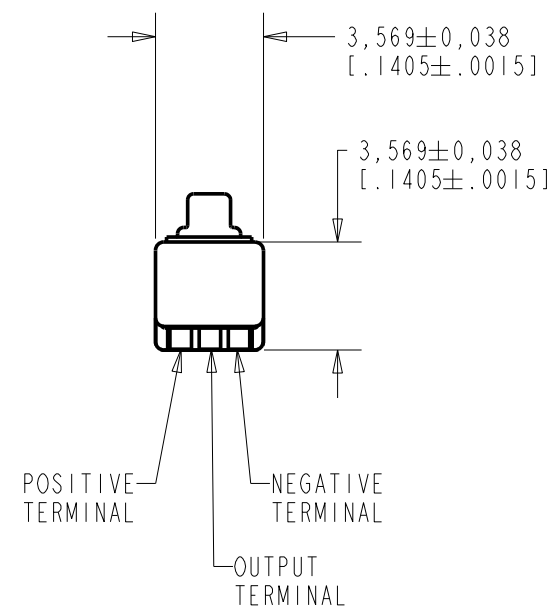
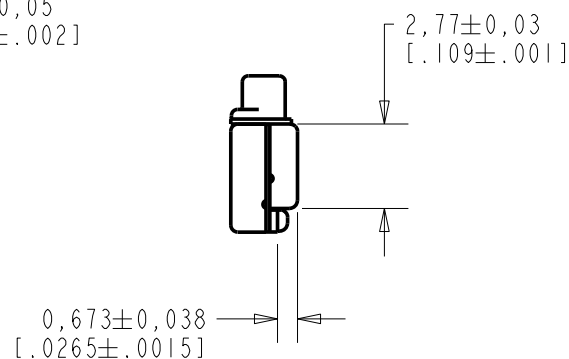
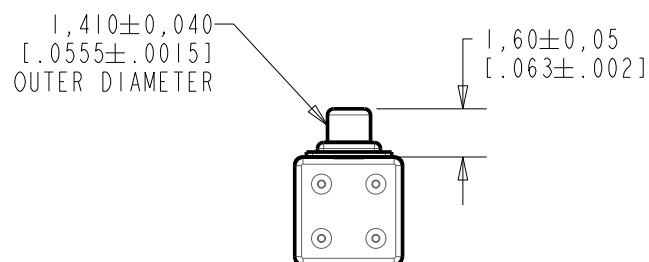
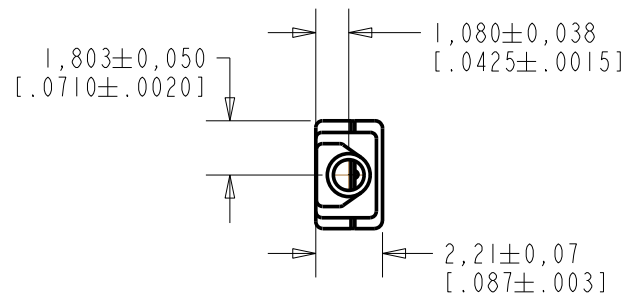


EM-24047-000

SHT 1.1

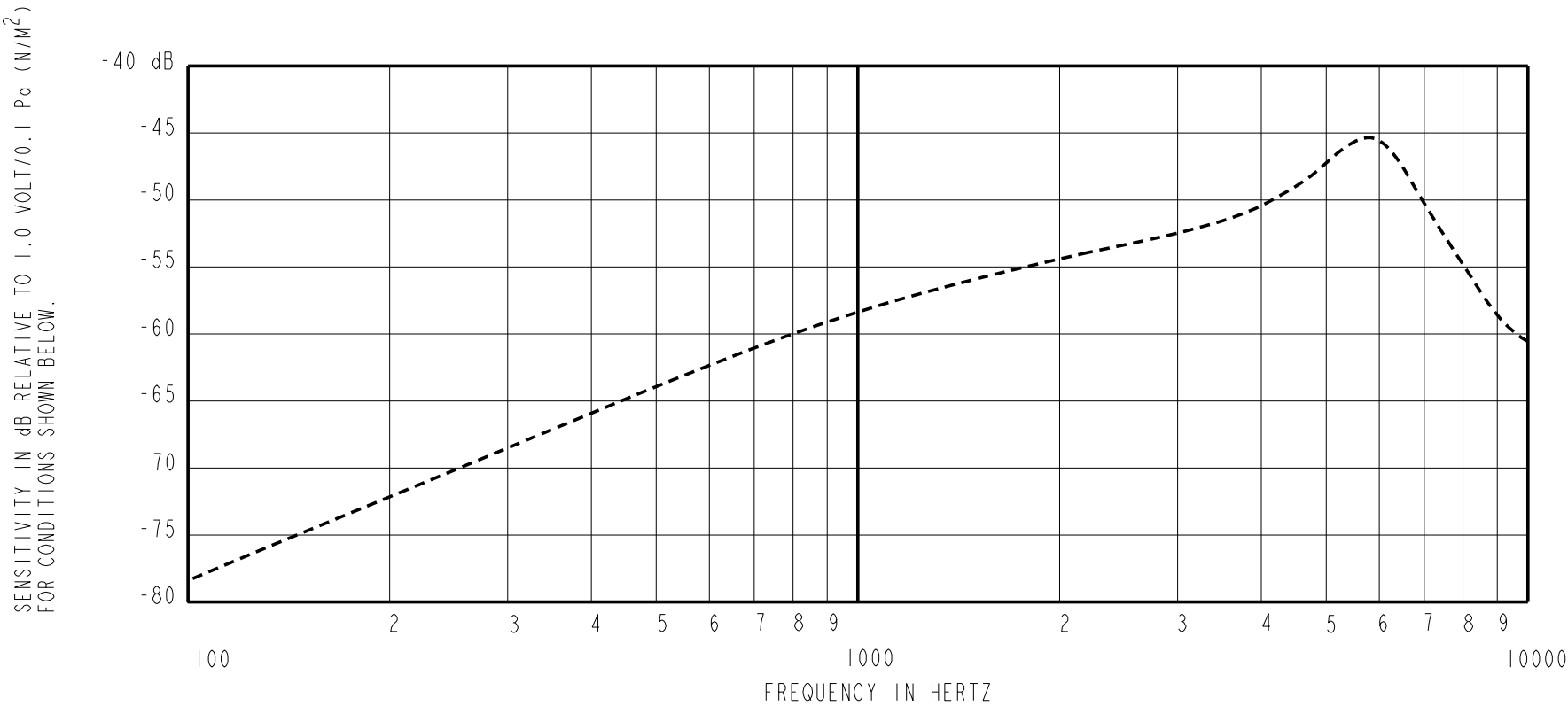


NOMINAL WEIGHT
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	D
D	MI0102034	6-18-08		
SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING			LSY	11-03-06
TITLE: MICROPHONE OUTLINE DRAWING			CK. BY	DATE
			GJP	11-9-06
			APP. BY	DATE
			GJP	11-9-06
			SHT 1.1	



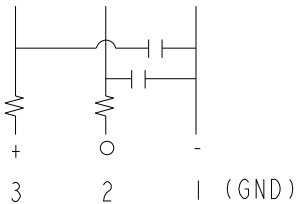
FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
300	---	-68.5	---	-11.5	-8.5
1000	-62.5	-58.5	-54.5	0.0	0.0
≈5800	---	-45.0	---	+8.0	+18.0

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.06 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 1MHz 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 EQUIV. SPL)	OUTPUT IMPEDANCE OHMS			CAPACITANCE ±50%	
					MIN.	NOM.	MAX.	1-2	1-3
12B	1.3V	50 µA MAX.	3 dB MAX.	-97.0 dB MAX.	2800	4400	6800	75pF	75pF

CAPACITANCE PROBE POINTS



Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
			Active		D	
D	MI0102034	6-18-08				
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	
				LSY	11-03-06	
				CK. BY	DATE	
				GJP	11-9-06	
TITLE: MICROPHONE			EM-24047-000		APP. BY	DATE
					GJP	11-9-06
PERFORMANCE SPECIFICATION			SHT 2.1			

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