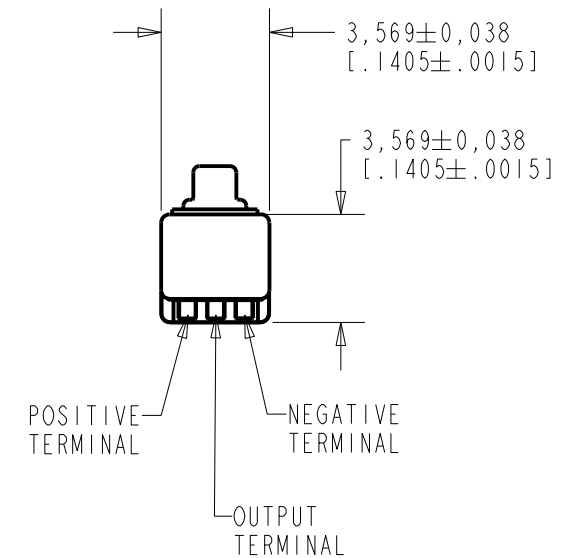
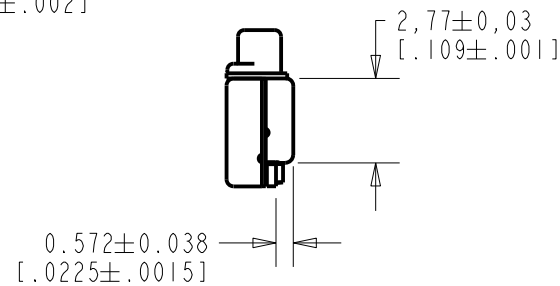
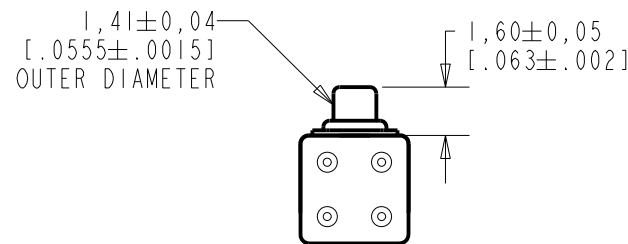
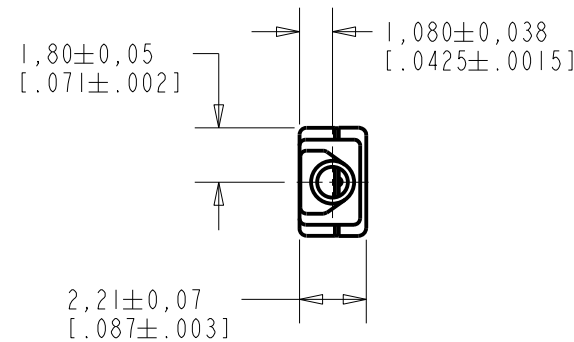


EM-24347-C36

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 GRAM

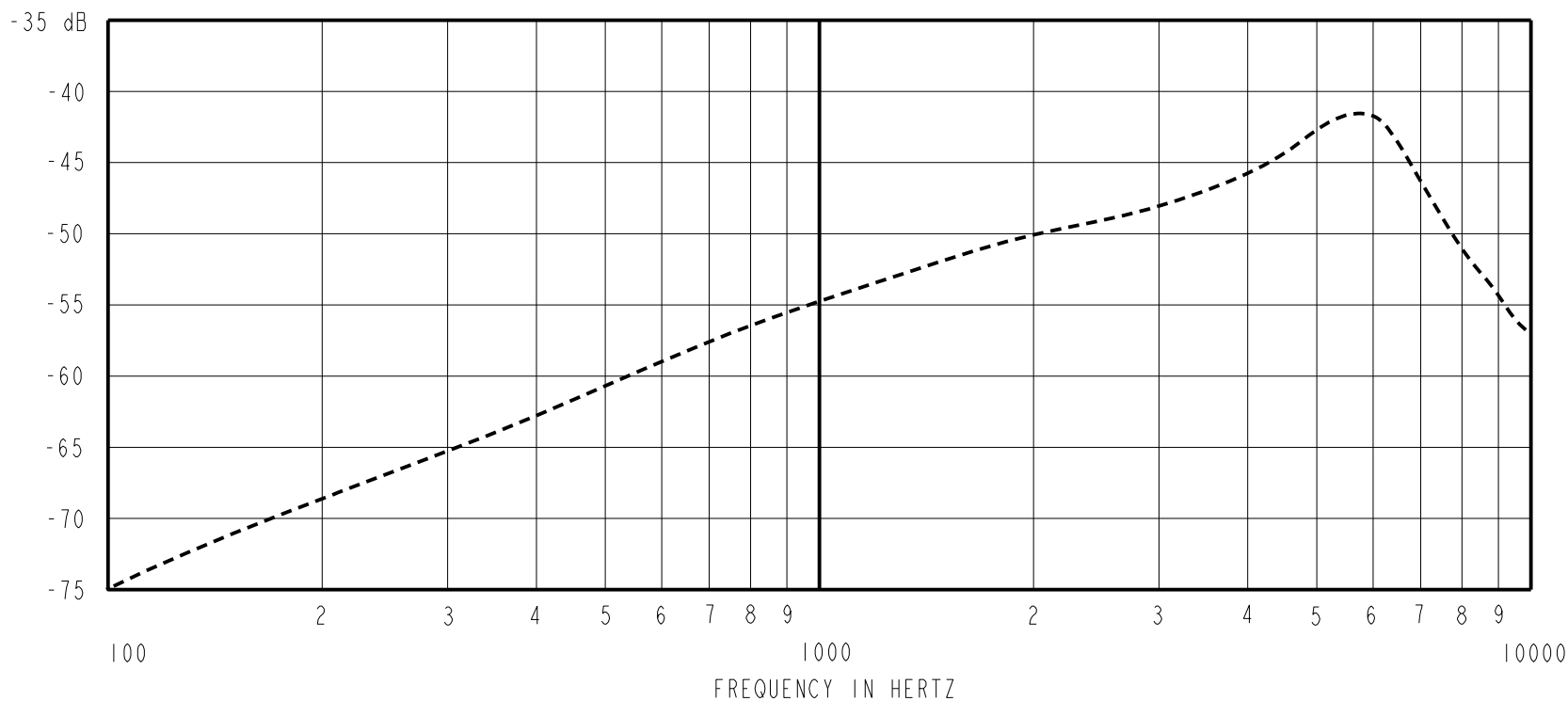
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
I	MI0105773	10-20-14	Active	I
H	MI0105440	3-10-14		
G	MI0104054	4-20-11		

SCALE: 4:1		DR. BY: MMM	DATE: 12-29-05
DO NOT SCALE DRAWING			
TITLE: MICROPHONE		DR. BY: GJP	
OUTLINE DRAWING		DATE: 1-2-06	
		APP. BY: GJP	
		DATE: 1-2-06	
		TITLE: EM-24347-C36	
		SHT 1.1	

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



FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
300	---	-64.5	---	-11.5	-8.5
1000	-58.5	-54.5	-50.5	0.0	0.0
≈5800	---	-41.5	---	+8.0	+18.0

- 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 0.06 dB/%RH
 4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
 5. TYPICAL POWER FEEDTHROUGH ATTENUATION: 68.5 dB SPL (1 kHz EQUIVALENT SPL 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 (RE 1.0 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	50 uA MAX.	3 dB MAX.	-98.5 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
I	M10105773	10-20-14	Active	I
H	M10105440	3-10-14		
G	M10104054	4-20-11		

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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

EM-24347-C36
SHT 2.1

DR. BY	DATE
MMM	12-29-05
CK. BY	DATE
GJP	1-2-06
APP. BY	DATE
GJP	1-2-06