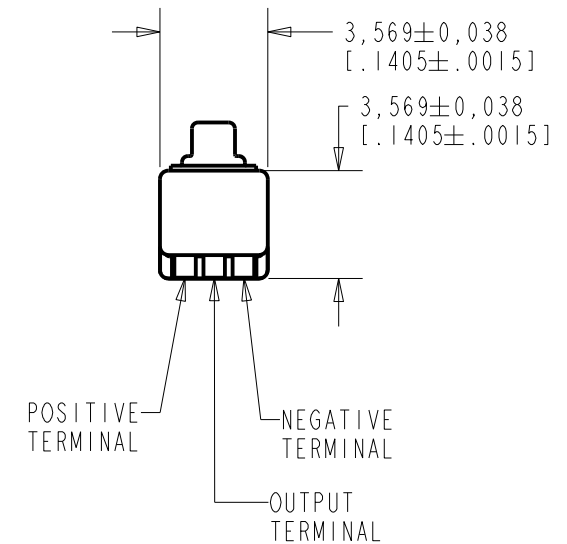
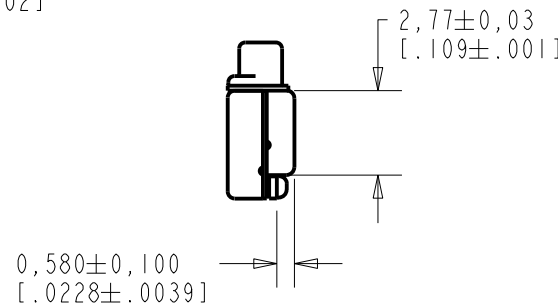
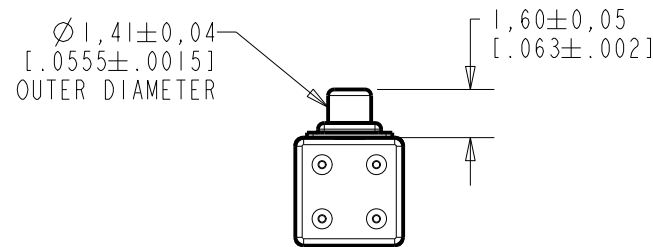
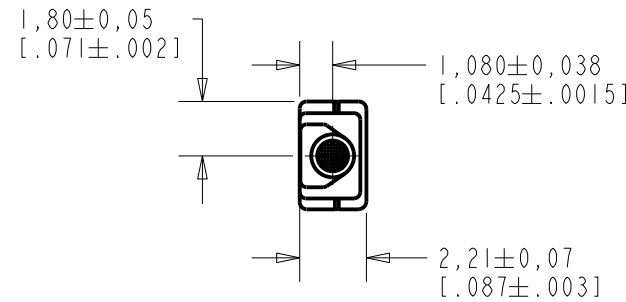


EM-24068-000
SHT 1.1

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

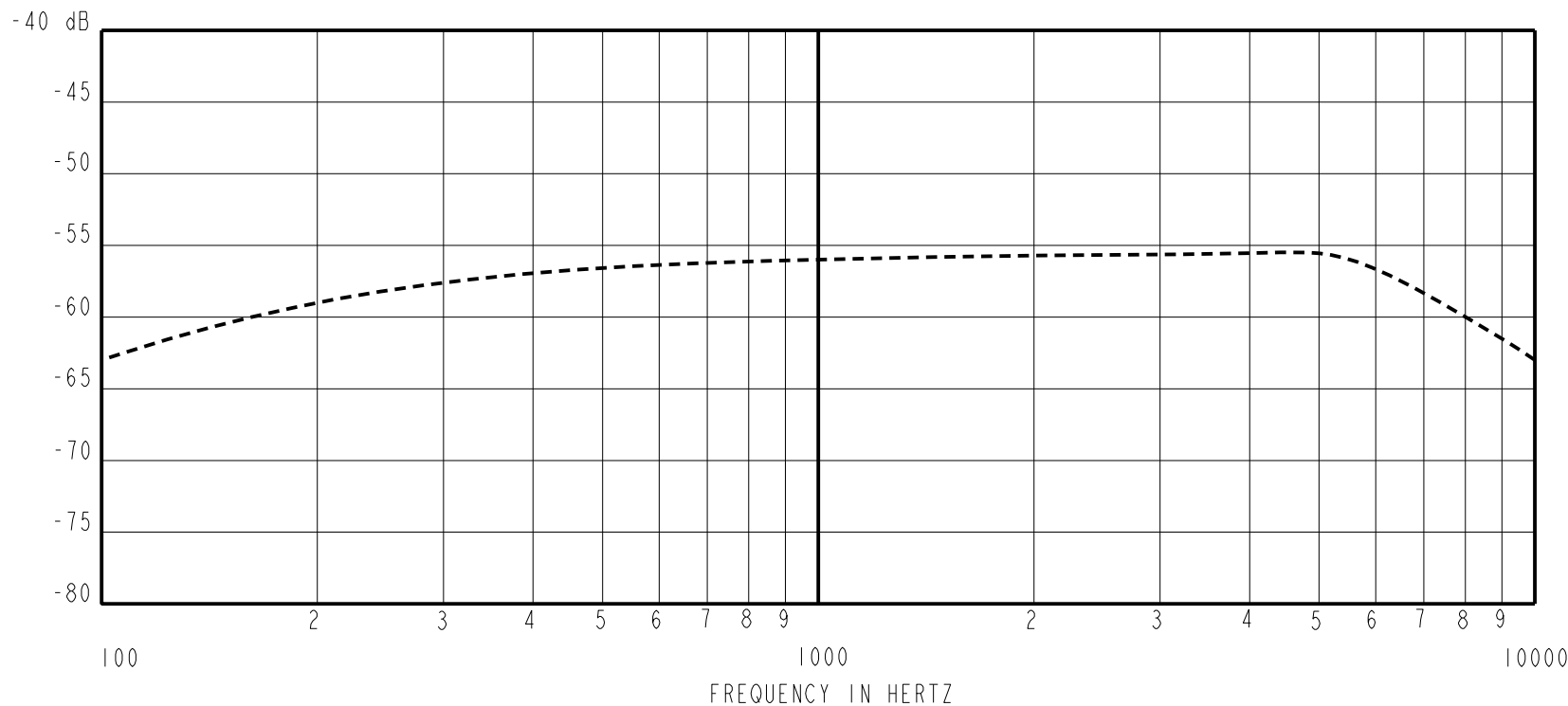
DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	MI0106036	5-25-15	Active	E
D	MI0105775	12-3-14		

SCALE: 4:1		DR. BY: LSY	DATE: 11-27-06
DO NOT SCALE DRAWING			
TITLE: MICROPHONE		EM-24068-000	
OUTLINE DRAWING		SHT 1.1	
		CK. BY: GJP	DATE: 12-11-06
		APP. BY: GJP	DATE: 12-11-06

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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	
100	---	-63.0	---	-10.0	-3.0
1000	-59.0	-56.0	-53.0	0.0	0.0
4800	---	-55.5	---	-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 (RE 1 VOLT)	OUTPUT IMPEDANCE OHMS		
					MIN.	NOM.	MAX.
12S	1.3V	50 μA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
E	M10106036	5-25-15	Active	E
D	M10105775	12-3-14		

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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-24068-000
SHT 2.1

DR. BY	DATE
LSY	11-27-06
CK. BY	DATE
GJP	12-11-06
APP. BY	DATE
GJP	12-11-06