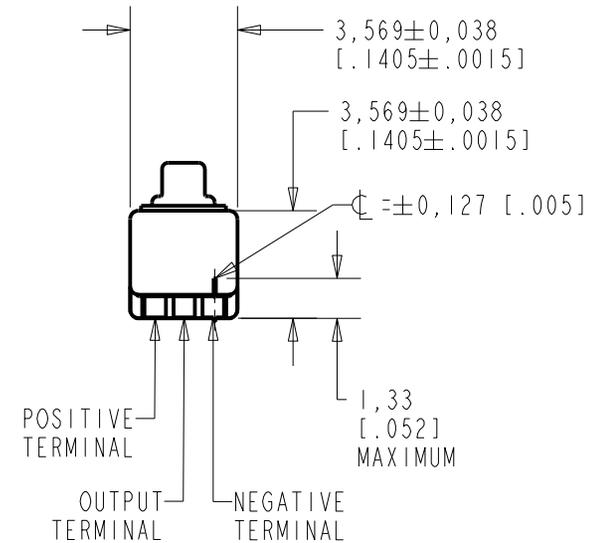
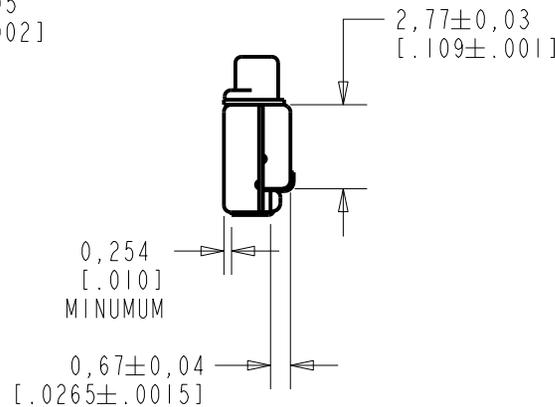
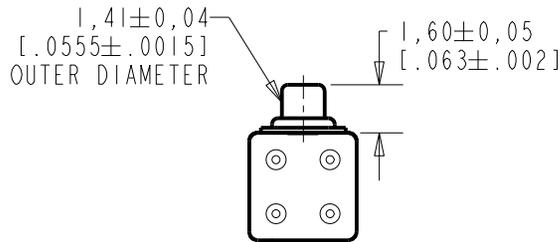
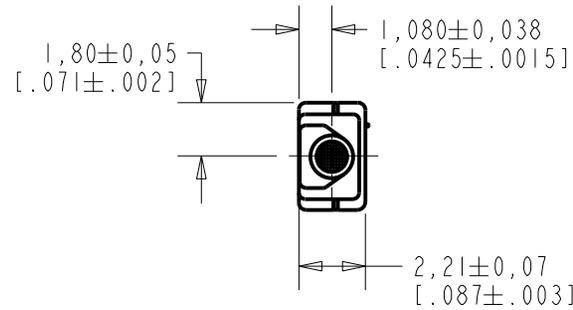


# EM-24046-C36

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.



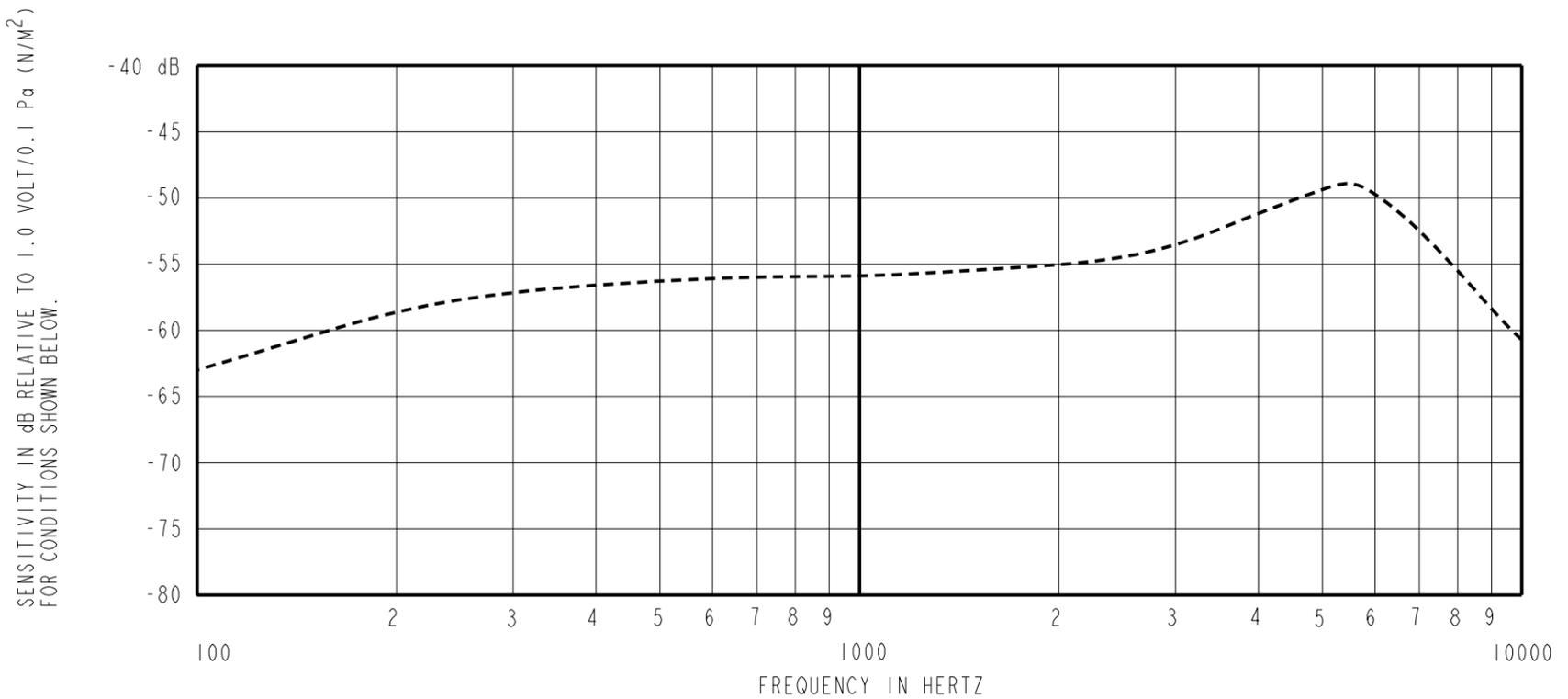
NOMINAL WEIGHT  
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	MI0104420	11-28-11	<b>Active</b>	<b>C</b>
B	MI0102034	6-18-08		
A	MI0101111	5-1-06		

SCALE: <b>4:1</b>		DR. BY	DATE
DO NOT SCALE DRAWING		MMM	5-1-06
TITLE: <b>MICROPHONE</b>		CK. BY	DATE
<b>EM-24046-C36</b>		GJP	5-4-06
OUTLINE DRAWING		APP. BY	DATE
<b>SHT 1.1</b>		GJP	5-4-06

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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
≈ 5500	---	-49.0	---	+4.0	+10.0

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.

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.
1.3v	50 μA MAX.	3 dB MAX.	31.0 dB MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	M10104420	11-28-11	<b>Active</b>	<b>C</b>
B	M10102034	6-18-08		
A	M10101111	5-1-06		
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
TITLE: <b>MICROPHONE</b> PERFORMANCE SPECIFICATION			MMM	5-1-06
			EM-24046-C36 SHT 2.1	
			CK. BY	DATE
			GJP	5-4-06
			APP. BY	DATE
			GJP	5-4-06

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