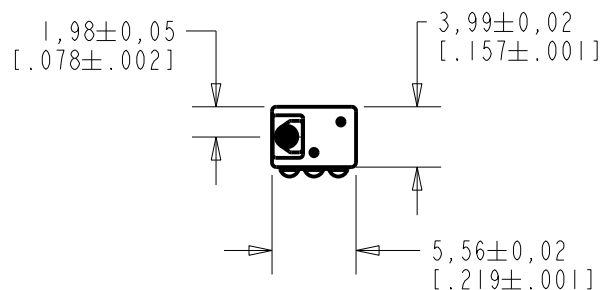


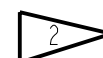
EA-21986-000

SHT 1.1

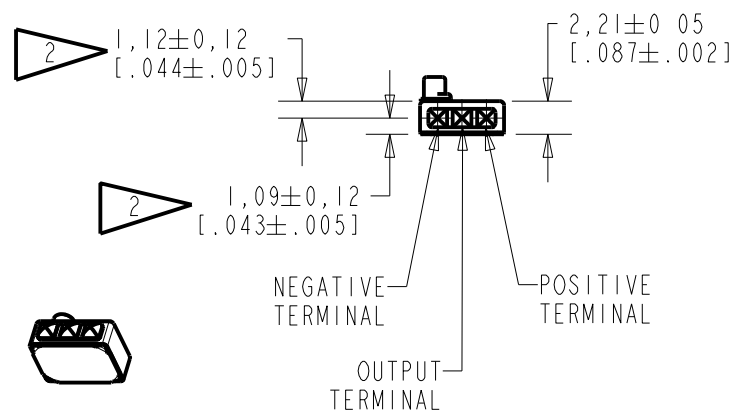


NOTE:

1. INCREASED PRESSURE AT THE SOUND INLET CAUSES A POSITIVE GOING VOLTAGE TO APPEAR AT THE OUTPUT TERMINAL, RELATIVE TO THE NEGATIVE TERMINAL.

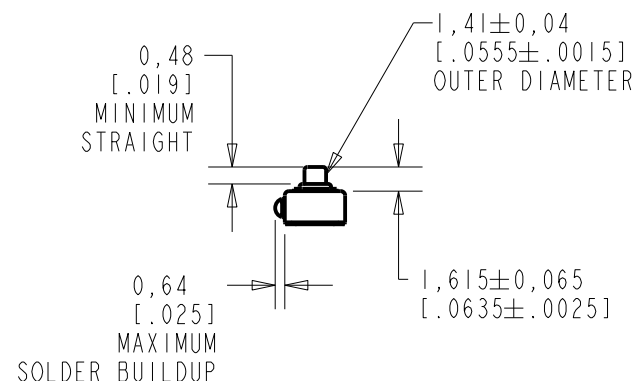


LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [$.007$].



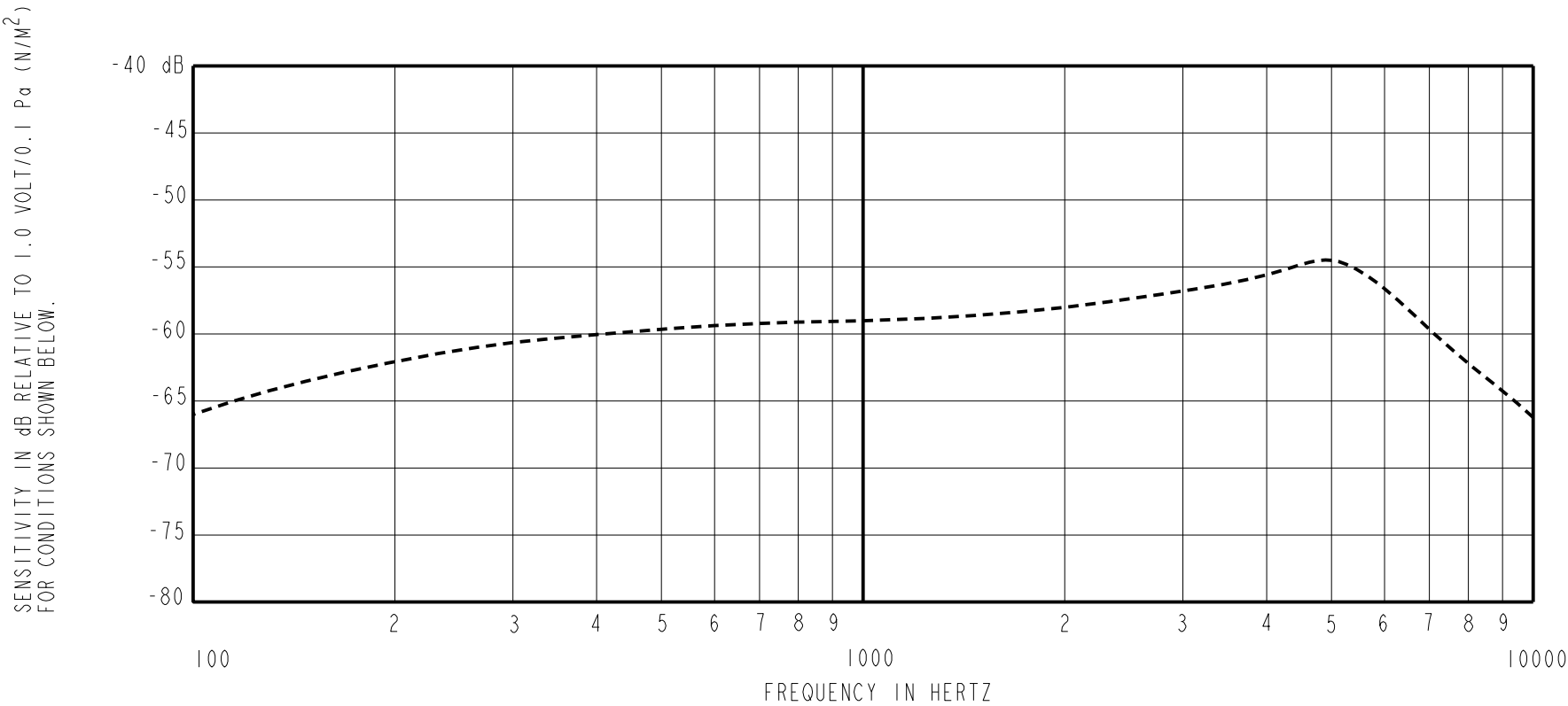
NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]



Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	MI0103696	6-24-10		
SCALE: 2:1			DR. BY	DATE
DO NOT SCALE DRAWING			LSY	6-24-10
			CK. BY	DATE
TITLE: MICROPHONE			GJP	6-25-10
			APP. BY	DATE
			GJP	6-25-10
EA-21986-000			Rev: B	
OUTLINE DRAWING			SHT 1.1	

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FREQUENCY	SENSITIVITY			DEVICE CONFORMITY	
	MIN.	NOM.	MAX.	RANGE OF DEVIATION FROM 1KHz	
100	---	-66.0	---	-11.0	-4.0
1000	-62.0	-59.0	-56.0	0.0	0.0
≈ 5000	---	-54.5	---	+1.5	+7.5

- NOTES:
- CASE CONNECTED TO NEGATIVE TERMINAL.
 - MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
 - CONFORMS TO REQUIREMENTS SHOWN ON 'ELECTRET MICROPHONE ENVIRONMENTAL QUALIFICATION TEST, SHEET 2.2'.

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
12KP	1.3V	50 μA MAX.	3 dB MAX.	28.5 dB MAX.	2000	3500	6000	NA	NA

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ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
			Active		A
A	M10103696	6-24-10			
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	6-24-10
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			EA-21986-000 SHT 2.1	CK. BY	DATE
				GJP	6-25-10
				APP. BY	DATE
				GJP	6-25-10

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