

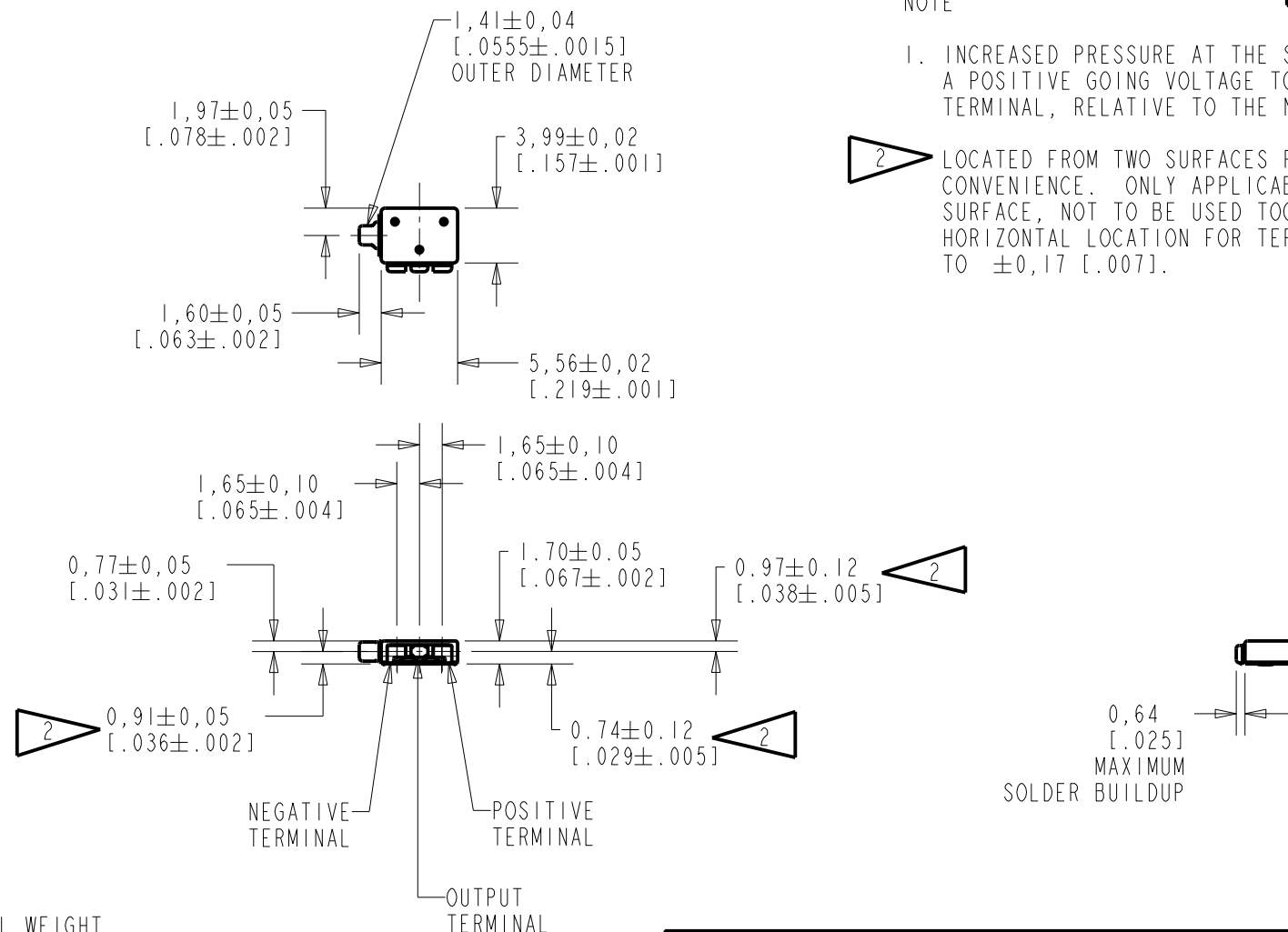
EK-29841-000

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.

2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [0.007].



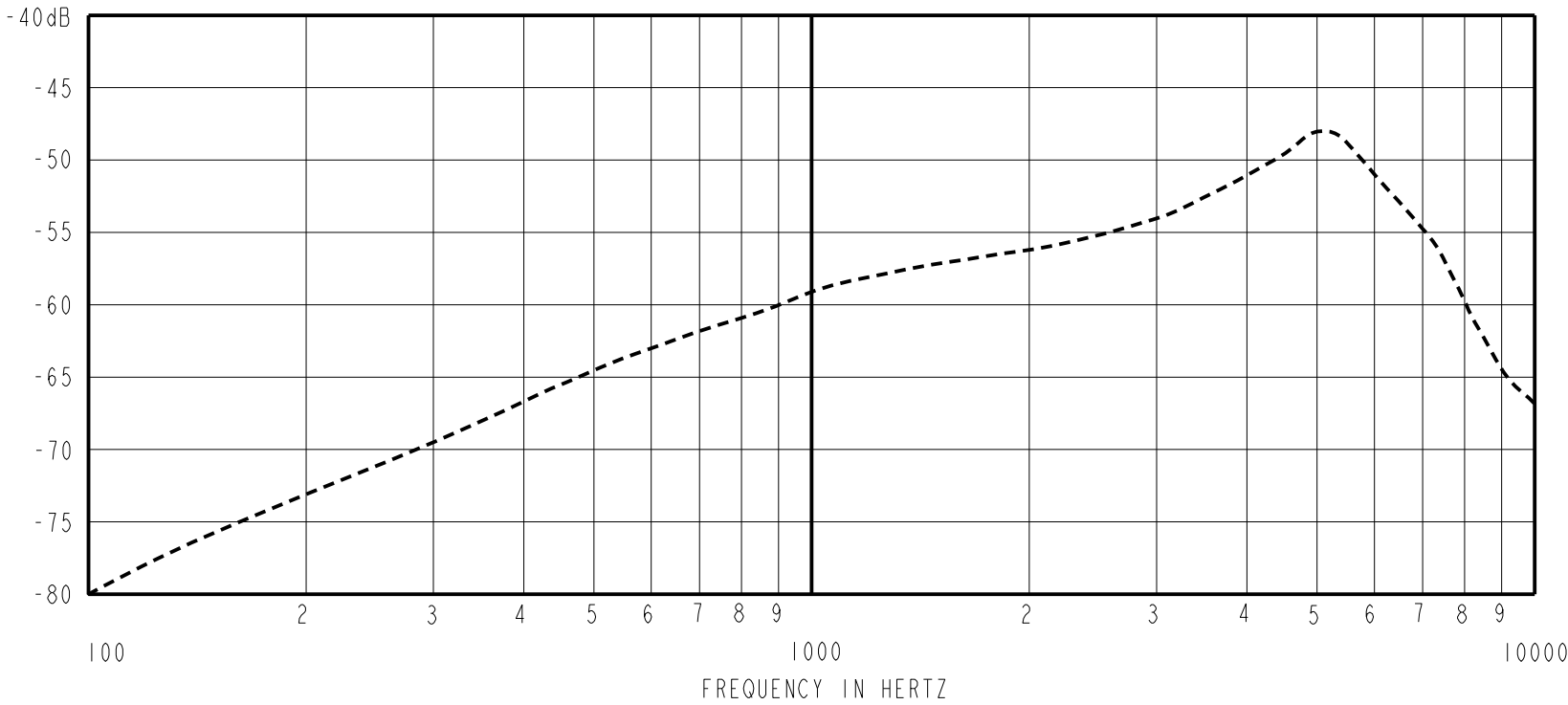
NOMINAL WEIGHT
0.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

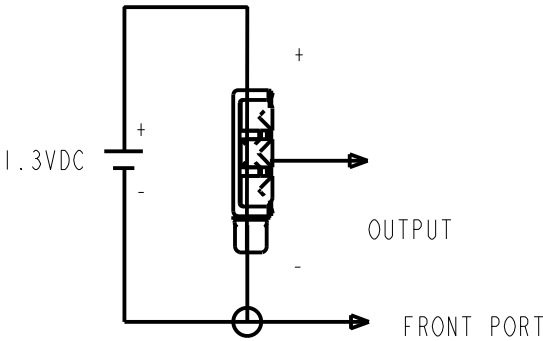
KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0105324	2-12-14	Active	B
A	MI0100767	9-02-05		
SCALE: 2:1			DR. BY AB	DATE 9-2-05
DO NOT SCALE DRAWING			CK. BY GJP	DATE 9-7-05
TITLE: MICROPHONE			APP. BY GJP	DATE 9-7-05
OUTLINE DRAWING			EK-29841-000 SHT 1.1	

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	---	-70.0	---	-12.5	-9.5
1000	-61.5	-59.0	-56.5	0.0	0.0
~5000	---	-48.0	---	+6.5	+15.5



- NOTES:
- CASE CONNECTED TO NEGATIVE TERMINAL.
 - MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

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.	30.5 dB MAX.	2000	3800	6000

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
B	M10105324	2-12-14	Active		B
A	M10100767	9-02-05			
TITLE: MICROPHONE PERFORMANCE SPECIFICATION			EK-29841-000 SHT 2.1		DR. BY DATE AB 9-2-05
					CK. BY DATE GJP 9-7-05
					APP. BY DATE GJP 9-7-05

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Knowles:](#)

[EK-29841-000](#)