2,77±0,05
[.109±.002]

3.99±0.02
[.157±.001]

Ø 0.5080±0.0508
[.020±.002]
(3X)

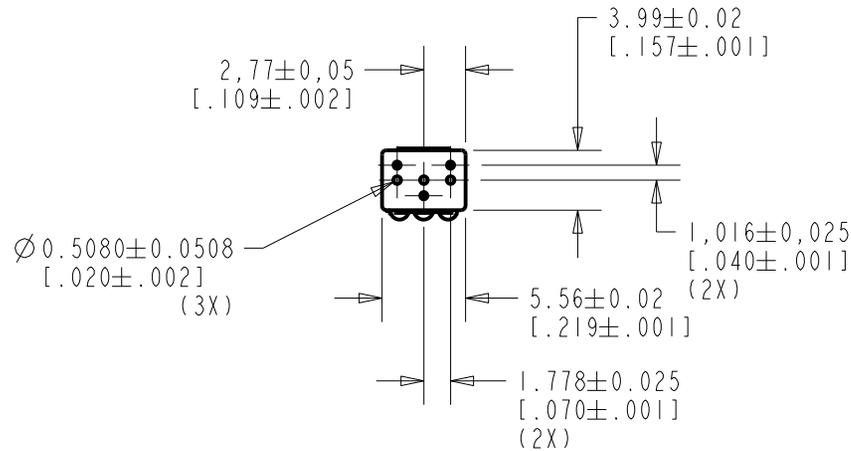1,016±0,025
[.040±.001]
(2X)

5.56±0.02
[.219±.001]

1.778±0.025
[.070±.001]
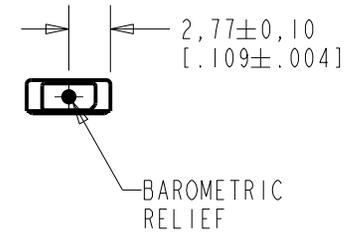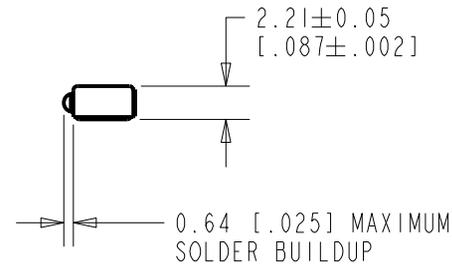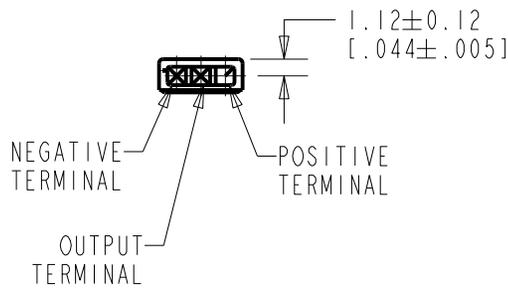(2X)

NOTE:

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

1.12±0.12
[.044±.005]

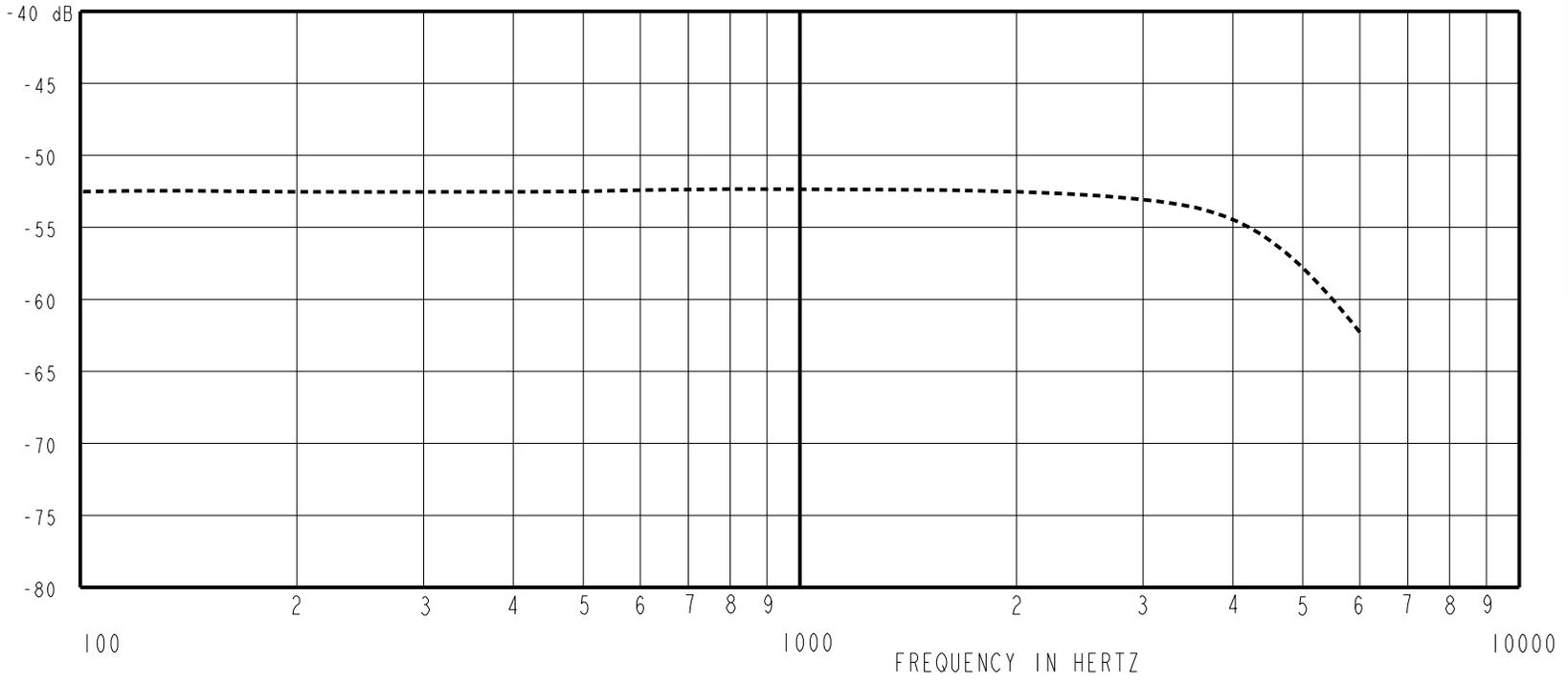NEGATIVE
TERMINAL

POSITIVE
TERMINAL

OUTPUT
TERMINAL

2.21±0.05
[.087±.002]

0.64 [.025] MAXIMUM
SOLDER BUILDUP

2,77±0,10
[.109±.004]

BAROMETRIC
RELIEF

NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	MI0105331	12-25-13	Active	B
A	MI0100924	11/23/05		

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SCALE: 2:1		DR. BY	DATE
DO NOT SCALE DRAWING		DMS	11/23/05
		CK. BY	DATE
TITLE: MICROPHONE	WP-23502-000	GJP	11/27/05
OUTLINE DRAWING	SHT 1.1	APP. BY	DATE
		GJP	11/27/05

KE111ASIZE.FRM   Rev: B

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

FREQUENCY IN HERTZ

FREQUENCY	SENSITIVITY			DEVICE CONFORMITY RANGE OF DEVIATION FROM 1 KHz	
	MIN.	NOM.	MAX.		
100	---	-52.0	---	-2.0	+2.0
1000	-55.0	-52.0	-49.0	0.0	0.0
4000	---	-53.0	---	-4.0	+2.0

FRONT
REAR
PORTS (FRONT)
- +
1.3 VDC
OUTPUT
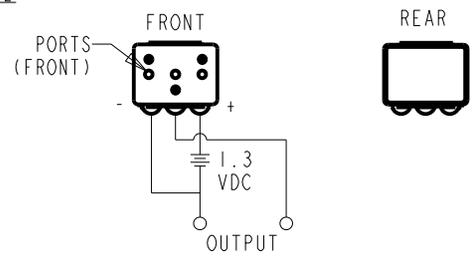
NOTES:

1. CASE CONNECTED TO NEGATIVE TERMINAL.

2. MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.

3. SENSITIVITY VALUES INDICATED ON THIS
    SPECIFICATION ARE VALID AT 50% HUMIDITY.

4. MICROPHONE WILL SURVIVE SUBMERSION IN 3M OF WATER.

DC SUPPLY	AMPLIFIER CURRENT DRAIN	OUTPUT IMPEDANCE OHMS		
		MIN.	NOM.	MAX.
1.3V	50uA MAX.	2800	4400	6800

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	B
B	MI0105331	12-25-13		
A	MI0100924	11/23/05		

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SCALE:	2:1		DR. BY	DATE
			DMS	11/23/05
	DO NOT SCALE DRAWING		CK. BY	DATE
TITLE:	MICROPHONE	WP-23502-000	GJP	11/27/05
			APP. BY	DATE
	OUTLINE DRAWING	SHT 2.1	GJP	11/27/05

Mouser Electronics

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[WP-30113-P03](#) [WP-23849-P16](#) [WP-30113-PO3](#) [WP-25993-000](#) [VWP-F-30609-000](#) [WP-25393-000](#) [WP-30113-P132](#)
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