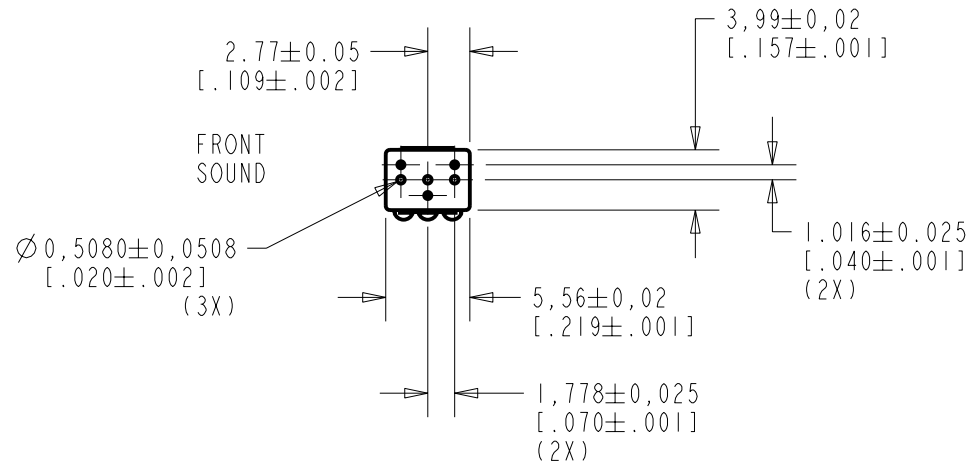
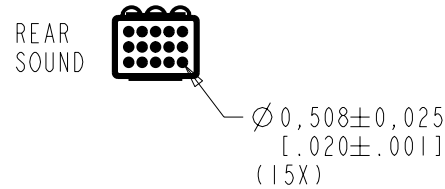
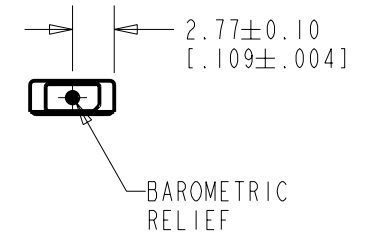
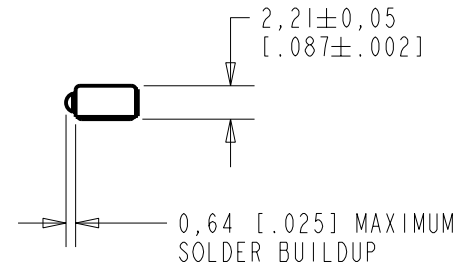
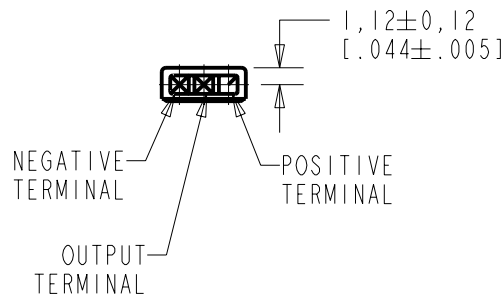


WP-23501-000
SHT 1.1



NOTE:

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



NOMINAL WEIGHT
.13 GRAM

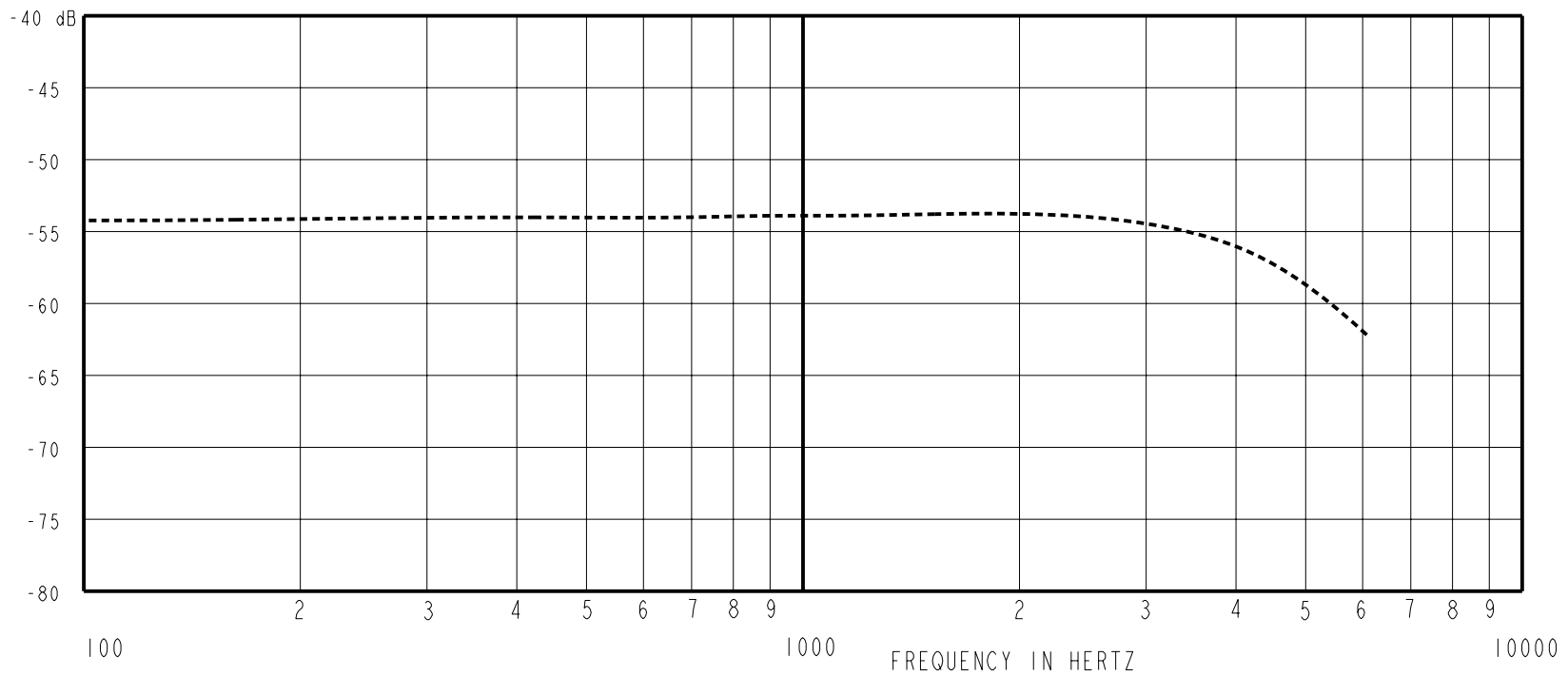
DIMENSIONS IN MILLIMETERS [INCHES]

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| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------------------|-----------|---------------------|---------------|----------------|
| A | MI0100924 | 11/23/05 | Released | A |
| SCALE: 2:1 | | | DR. BY: DMS | DATE: 11/23/05 |
| DO NOT SCALE DRAWING | | | CK. BY: GJP | DATE: 11/27/05 |
| TITLE: MICROPHONE | | WP-23501-000 | APP. BY: GJP | DATE: 11/27/05 |
| OUTLINE DRAWING | | SHT 1.1 | | |

WP-23501-000
SHT 2.1

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



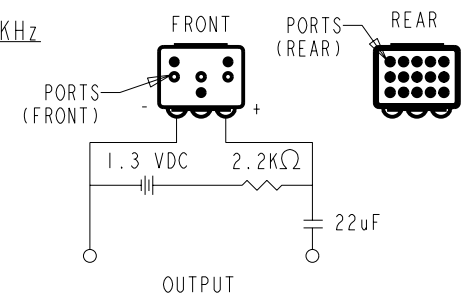
| FREQUENCY | SENSITIVITY | | |
|-----------|-------------|-------|-------|
| | MIN. | NOM. | MAX. |
| 100 | --- | -54.0 | --- |
| 1000 | -57.0 | -54.0 | -51.0 |
| 4000 | --- | -56.0 | --- |

| RANGE OF DEVIATION FROM 1 KHz | DEVICE CONFORMITY | |
|-------------------------------|-------------------|------|
| | MIN. | MAX. |
| 100 - 1000 | -2.0 | +2.0 |
| 1000 - 2000 | 0.0 | 0.0 |
| 2000 - 4000 | -6.0 | 0.0 |

NOTES:

- CASE CONNECTED TO NEGATIVE TERMINAL.
- MICROPHONE TO BE FUNCTIONAL WITH 10 VDC SUPPLY.
- SENSITIVITY VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.
- PRESSURE DIFFERENCE SENSITIVITY TESTED WITH REAR SOUND PORT SEALED TO AIR VOLUME OF AT LEAST 0.5 CC.
- MICROPHONE WILL SURVIVE SUBMERSION IN 3M OF WATER.

| DC SUPPLY | AMPLIFIER CURRENT DRAIN | OUTPUT IMPEDANCE OHMS | | |
|-----------|-------------------------|-----------------------|------|------|
| | | MIN. | NOM. | MAX. |
| 1.3V | 300uA MAX. | 1500 | 2500 | 3500 |



| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| A | MI0100924 | 11/23/05 | Released | A |

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| | | |
|---------------------------|-------------------------|----------------|
| SCALE: 2:1 | DR. BY: DMS | DATE: 11/23/05 |
| DO NOT SCALE DRAWING | CK. BY: GJP | DATE: 11/27/05 |
| TITLE: MICROPHONE | APP. BY: GJP | DATE: 11/27/05 |
| PERFORMANCE SPECIFICATION | WP-23501-000 SHT 2.1 | |