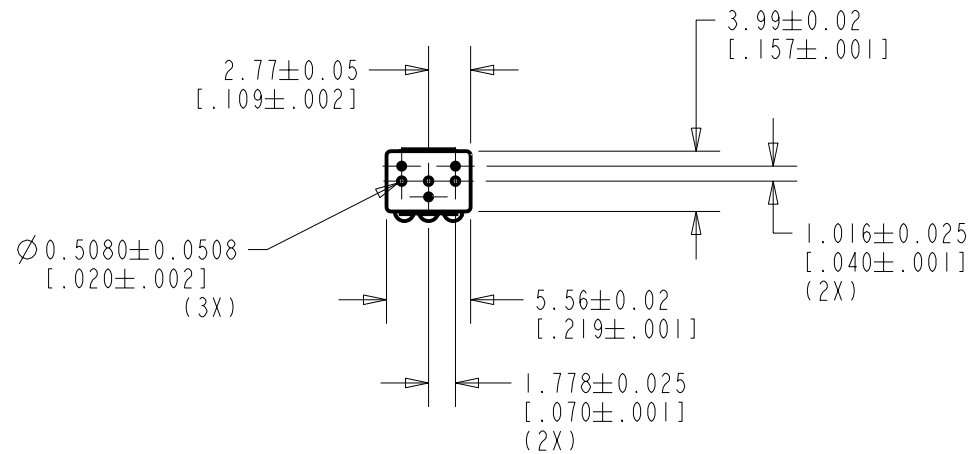
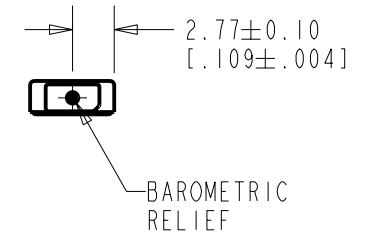
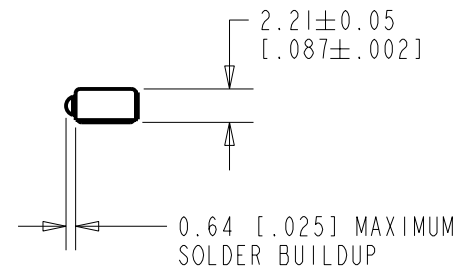
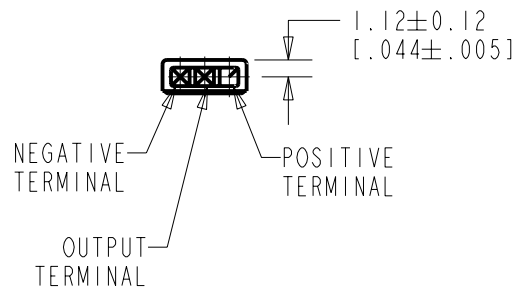


WP-23502-000
SHT 1.1



NOTE:

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



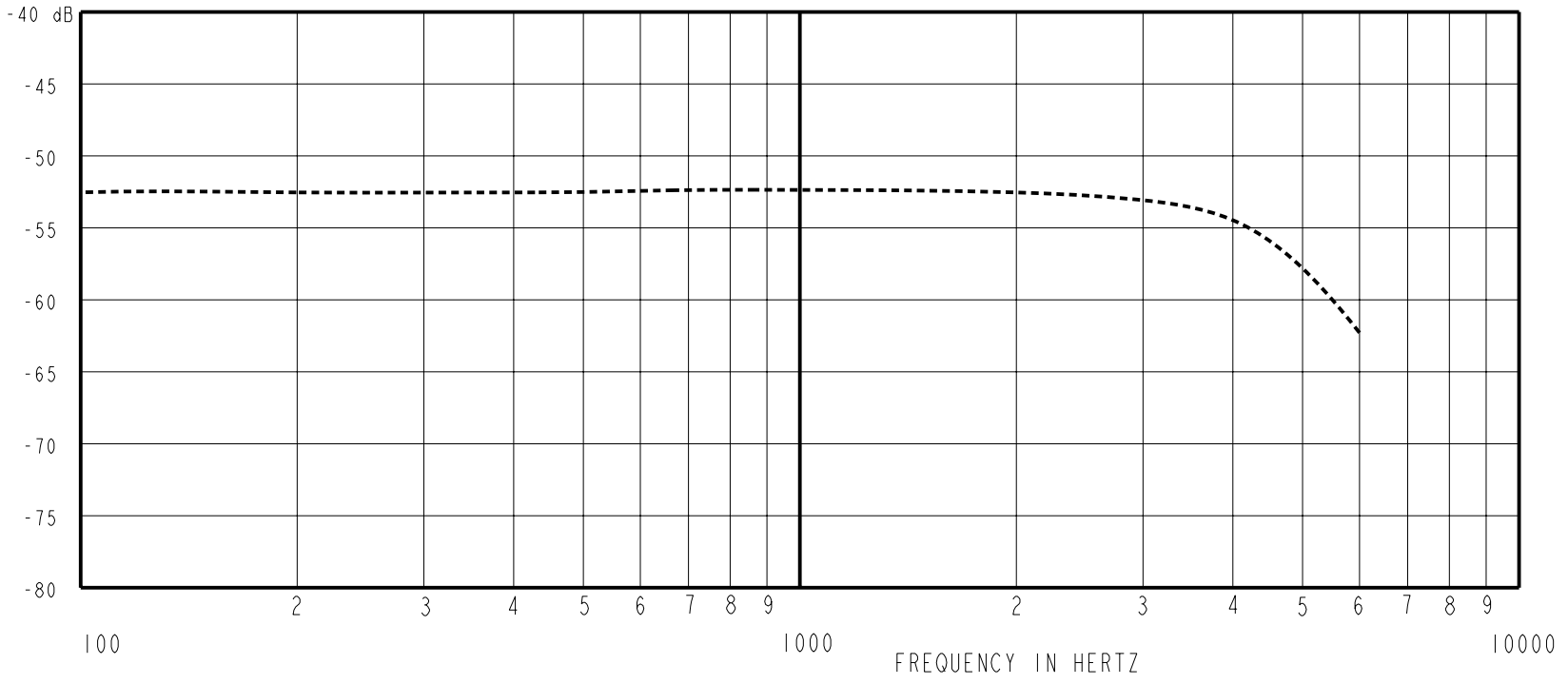
NOMINAL WEIGHT
.13 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

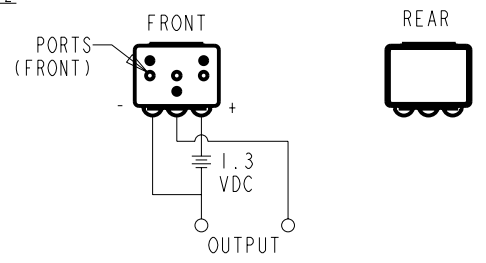
KNOWLES ELECTRONICS
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| Revision | C.O. # | Implementation Date | RELEASE LEVEL | REVISION |
|----------------------|-----------|---------------------|---------------|----------------|
| A | MI0100924 | 11/23/05 | Released | A |
| SCALE: 2:1 | | | DR. BY: DMS | DATE: 11/23/05 |
| DO NOT SCALE DRAWING | | | CK. BY: GJP | DATE: 11/27/05 |
| TITLE: MICROPHONE | | WP-23502-000 | APP. BY: GJP | DATE: 11/27/05 |
| OUTLINE DRAWING | | SHT 1.1 | | |

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



| FREQUENCY | SENSITIVITY | | | DEVICE CONFORMITY | |
|-----------|-------------|-------|-------|-------------------------------|------|
| | MIN. | NOM. | MAX. | RANGE OF DEVIATION FROM 1 KHz | |
| 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 |



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.
- 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 |
|----------|-----------|---------------------|---------------|----------|
| A | MI0100924 | 11/23/05 | Released | A |

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| | | |
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| TITLE: MICROPHONE | APP. BY: GJP | DATE: 11/27/05 |
| OUTLINE DRAWING | WP-23502-000 SHT 2.1 | |