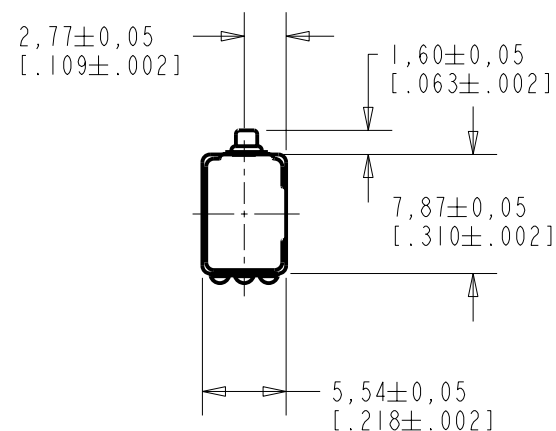


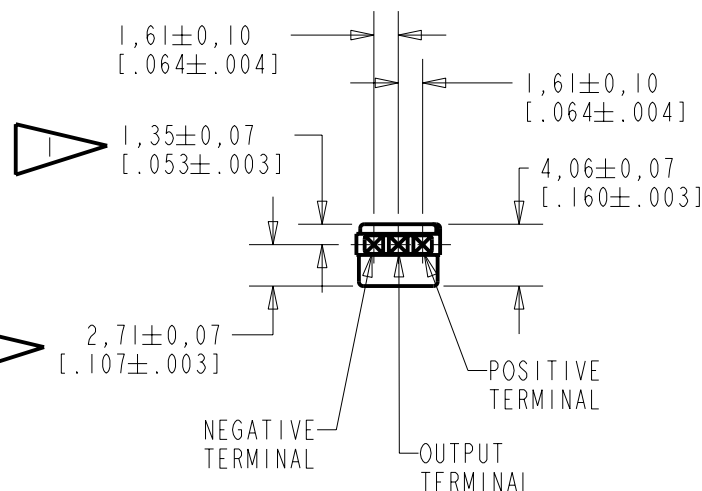
BL-21671-000

SHT 1.1



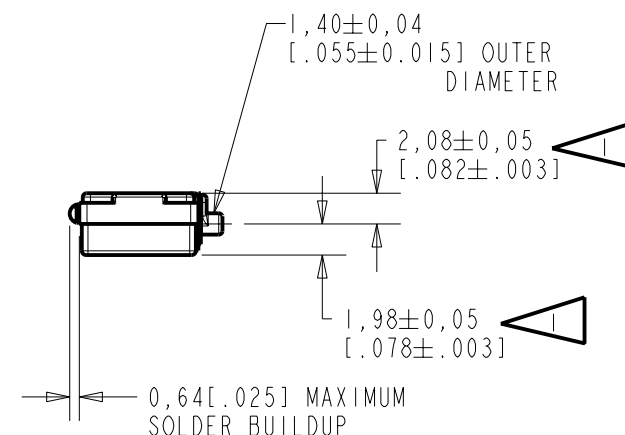
NOTES:

1 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  
28.0 GRAMS

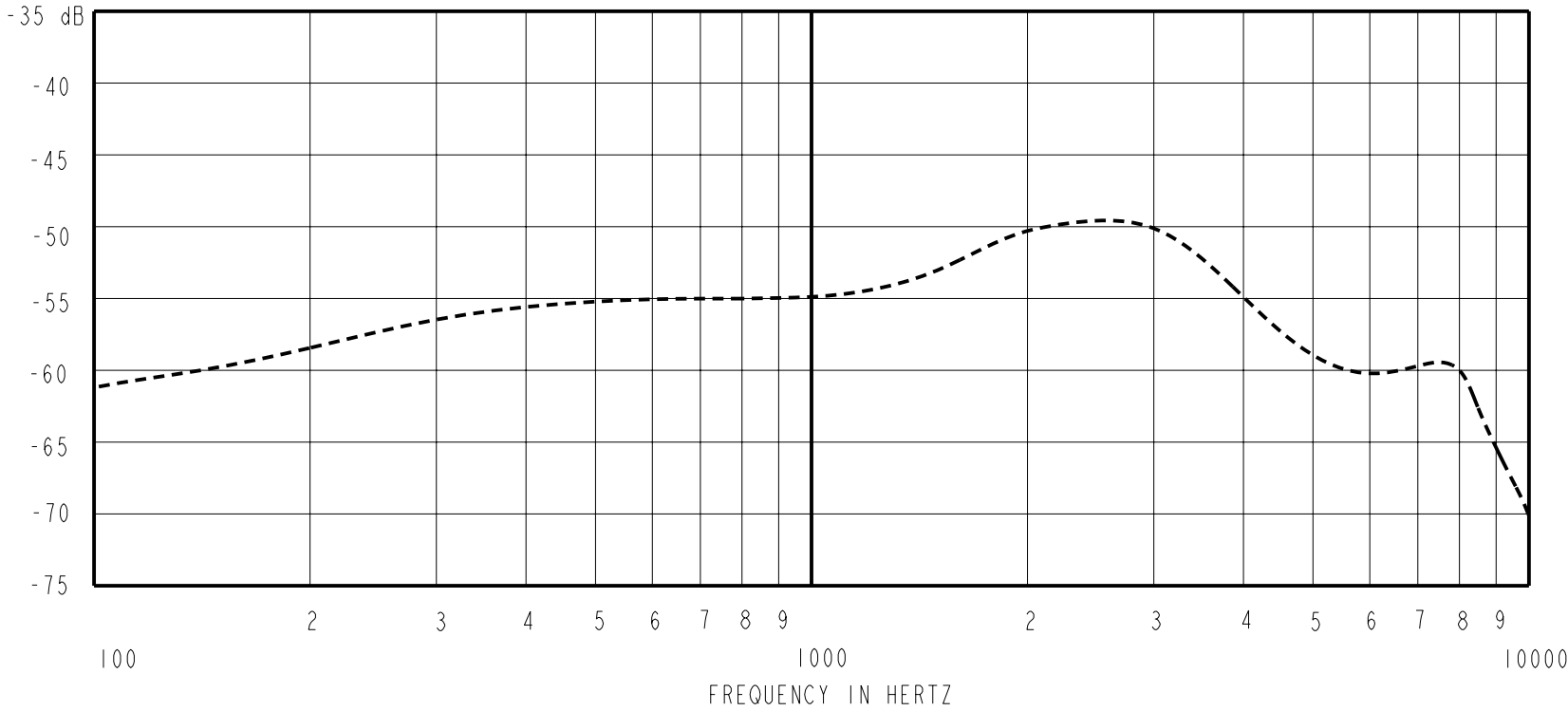
DIMENSIONS IN MILLIMETERS [INCHES]



**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

| Revision             | C.O. #     | Implementation Date | RELEASE LEVEL | REVISION |
|----------------------|------------|---------------------|---------------|----------|
| B                    | MI01001175 | 9-20-06             | Released      | B        |
| A                    | MI0100962  | 9-8-06              |               |          |
| SCALE: 2:1           |            |                     | DR. BY        | DATE     |
| DO NOT SCALE DRAWING |            |                     | AB            | 9-8-06   |
| TITLE: MICROPHONE    |            |                     | CK. BY        | DATE     |
| OUTLINE DRAWING      |            |                     | GJP           | 9-18-06  |
| BL-21671-000         |            |                     | APP. BY       | DATE     |
| SHT 1.1              |            |                     | GJP           | 9-18-06  |

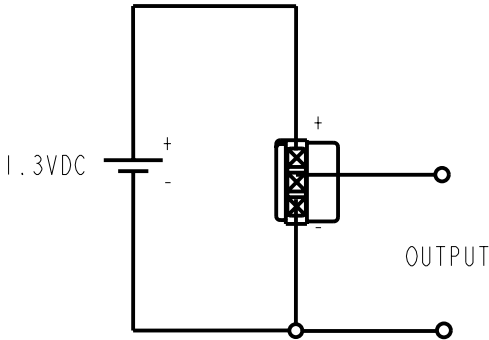
SENSITIVITY IN dB RELATIVE TO 1.0 VOLT/0.1 Pa (N/M<sup>2</sup>)  
FOR CONDITIONS SHOWN BELOW.



| FREQUENCY | SENSITIVITY |       |       | DEVICE CONFORMITY            |      |
|-----------|-------------|-------|-------|------------------------------|------|
|           | MIN.        | NOM.  | MAX.  | RANGE OF DEVIATION FROM 1KHz |      |
| 100       | ---         | -61.5 | ---   | -10.5                        | -4.5 |
| 1000      | -57.5       | -54.5 | -51.5 | 0.0                          | 0.0  |
| ≈ 2500    | ---         | -49.5 | ---   | +2.5                         | +7.5 |

NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.

| PORT LOCATION | DC SUPPLY | AMPLIFIER CURRENT DRAIN | SENSITIVITY CHANGE ON REDUCING SUPPLY TO 1.1 VDC | "A" WEIGHTED NOISE (1 kHz EQUIV. SPL) | OUTPUT IMPEDANCE OHMS |       |       | CAPACITANCE ±50% |     |
|---------------|-----------|-------------------------|--------------------------------------------------|---------------------------------------|-----------------------|-------|-------|------------------|-----|
|               |           |                         |                                                  |                                       | MIN.                  | NOM.  | MAX.  | 1-2              | 1-3 |
| 12S           | 1.3V      | 50 µA MAX.              | 3 dB MAX.                                        | 32.0 dB MAX.                          | 8000                  | 13000 | 22000 | N/A              | N/A |



| Revision                                                                                                                                                                                                     | C.O. #     | Implementation Date | RELEASE LEVEL |  | REVISION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|---------------|--|----------|
| B                                                                                                                                                                                                            | M101001175 | 9-20-06             | Released      |  | B        |
| A                                                                                                                                                                                                            | M10100962  | 9-8-06              |               |  |          |
| 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     |
|                                                                                                                                                                                                              |            |                     | AB            |  | 9-8-06   |
| TITLE: MICROPHONE                                                                                                                                                                                            |            |                     | CK. BY        |  | DATE     |
|                                                                                                                                                                                                              |            |                     | GJP           |  | 9-18-06  |
| PERFORMANCE SPECIFICATION                                                                                                                                                                                    |            |                     | APP. BY       |  | DATE     |
|                                                                                                                                                                                                              |            |                     | GJP           |  | 9-18-06  |
|                                                                                                                                                                                                              |            |                     | BL-21671-000  |  |          |
|                                                                                                                                                                                                              |            |                     | SHT 2.1       |  |          |

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