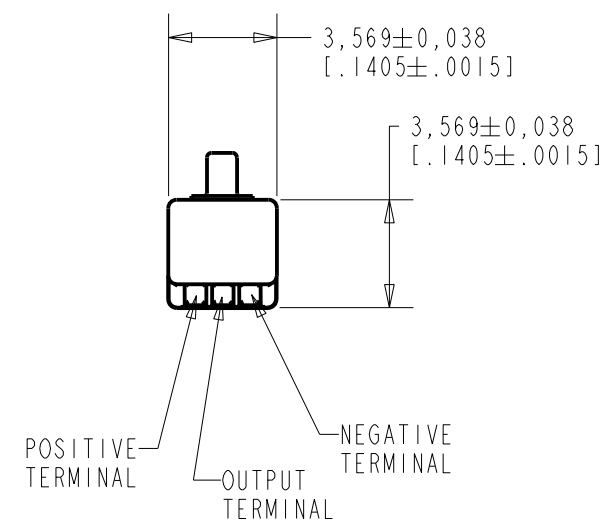
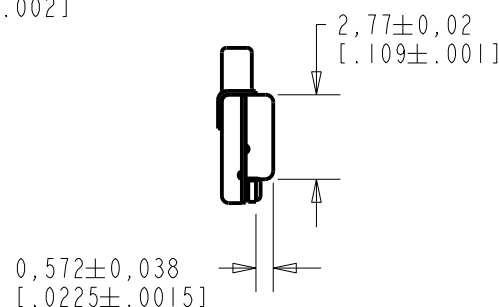
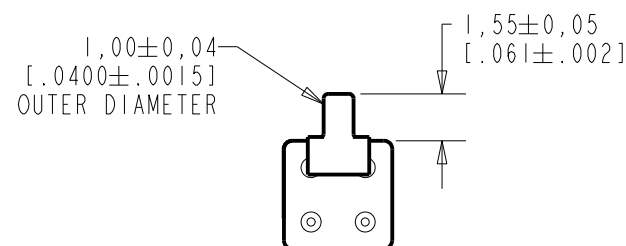
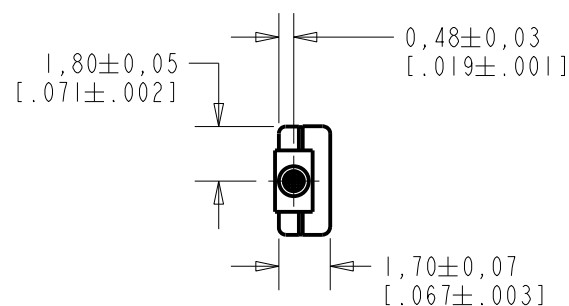


TM-23546-C36

SHT 1.1

NOTES:

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

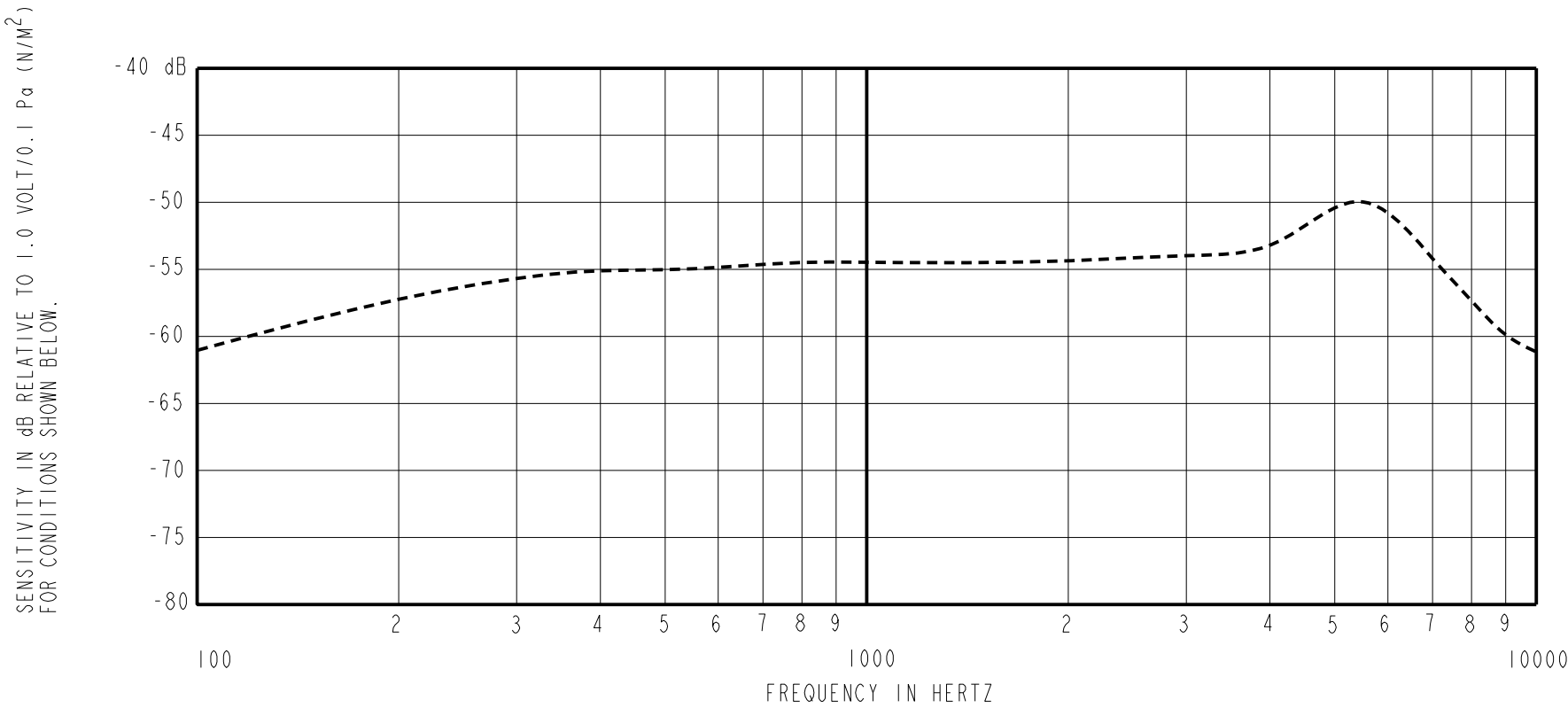


NOMINAL WEIGHT  
.08 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

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

|                                      |           |                     |               |          |
|--------------------------------------|-----------|---------------------|---------------|----------|
| Revision                             | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|                                      |           |                     | Active        | G        |
|                                      |           |                     |               |          |
| G                                    | MI0105778 | 11-10-14            |               |          |
| SCALE: 4:1                           |           |                     | DR. BY        | DATE     |
| DO NOT SCALE DRAWING                 |           |                     | MMM           | 1-4-06   |
| TITLE: MICROPHONE<br>OUTLINE DRAWING |           |                     | CK. BY        | DATE     |
|                                      |           |                     | GJP           | 1-5-06   |
|                                      |           |                     | APP. BY       | DATE     |
|                                      |           |                     | GJP           | 1-5-06   |
|                                      |           |                     | TM-23546-C36  |          |
|                                      |           |                     | SHT 1.1       |          |



| FREQUENCY | SENSITIVITY |       |       | DEVICE CONFORMITY            |      |
|-----------|-------------|-------|-------|------------------------------|------|
|           | MIN.        | NOM.  | MAX.  | RANGE OF DEVIATION FROM 1KHz |      |
| 100       | ---         | -61.0 | ---   | -10.0                        | -3.0 |
| 1000      | -57.5       | -54.5 | -51.5 | 0.0                          | 0.0  |
| ≈5000     | ---         | -47.5 | ---   | +1.5                         | +7.5 |

- NOTES: 1. CASE CONNECTED TO NEGATIVE TERMINAL.
2. MICROPHONE TO BE FUNCTIONAL WITH 1.6 VDC SUPPLY.
3. TYPICAL SENSITIVITY TO HUMIDITY AT 1000Hz IS 0.03 dB/%RH
4. SENSITIVITY AND NOISE VALUES INDICATED ON THIS SPECIFICATION ARE VALID AT 50% HUMIDITY.

| PORT LOCATION | 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. |
| 12B           | 1.3V      | 50 μA MAX.              | 3 dB MAX.                                       | 31.0 dB MAX.                          | 2800                  | 4400 | 6800 |

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| Revision                  | C.O. #    | Implementation Date | RELEASE LEVEL                                                                                                                                                                                                |  | REVISION     |
|---------------------------|-----------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|
|                           |           |                     | Active                                                                                                                                                                                                       |  | G            |
|                           |           |                     |                                                                                                                                                                                                              |  |              |
| G                         | M10105778 | 11-10-14            |                                                                                                                                                                                                              |  |              |
| TITLE:                    |           |                     | 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  |
|                           |           |                     |                                                                                                                                                                                                              |  | MMM 1-4-06   |
| MICROPHONE                |           |                     | TM-23546-C36                                                                                                                                                                                                 |  | CK. BY DATE  |
|                           |           |                     |                                                                                                                                                                                                              |  | GJP 1-5-06   |
| PERFORMANCE SPECIFICATION |           |                     | SHT 2.1                                                                                                                                                                                                      |  | APP. BY DATE |
|                           |           |                     |                                                                                                                                                                                                              |  | GJP 1-5-06   |