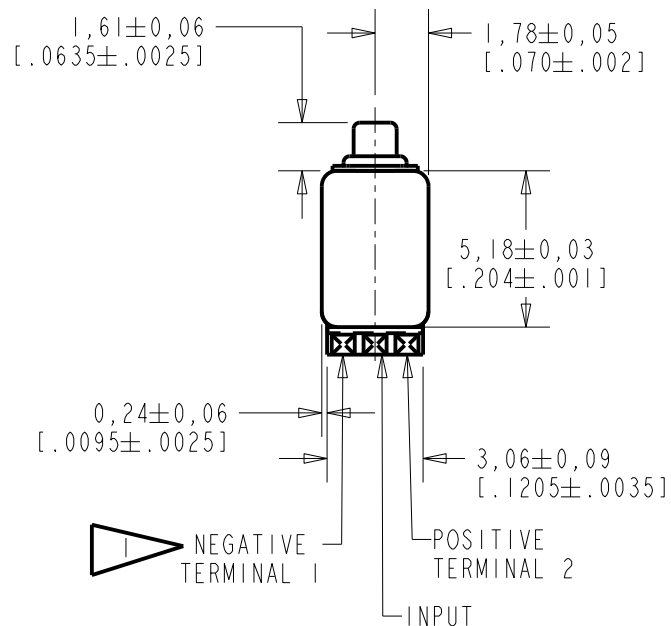
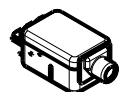
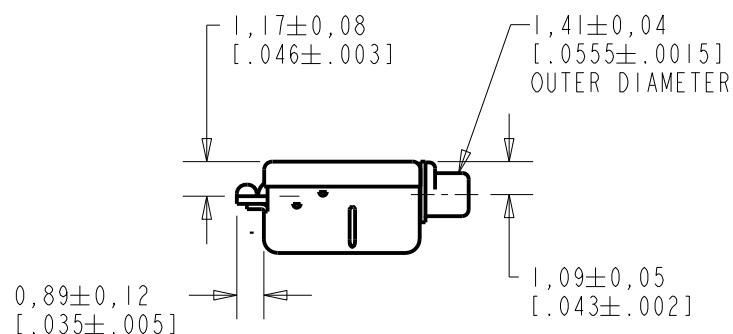
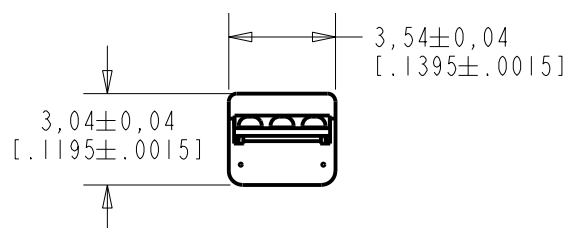


ES-23127-000

SHT 1.1



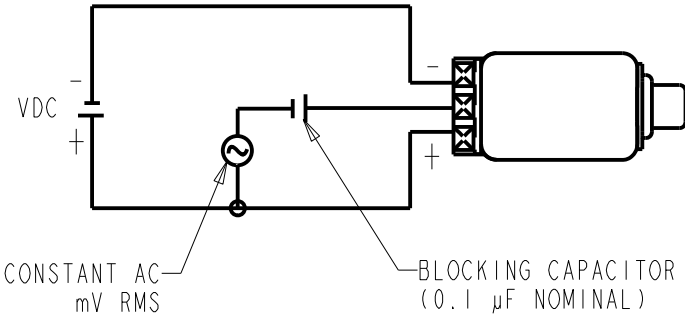
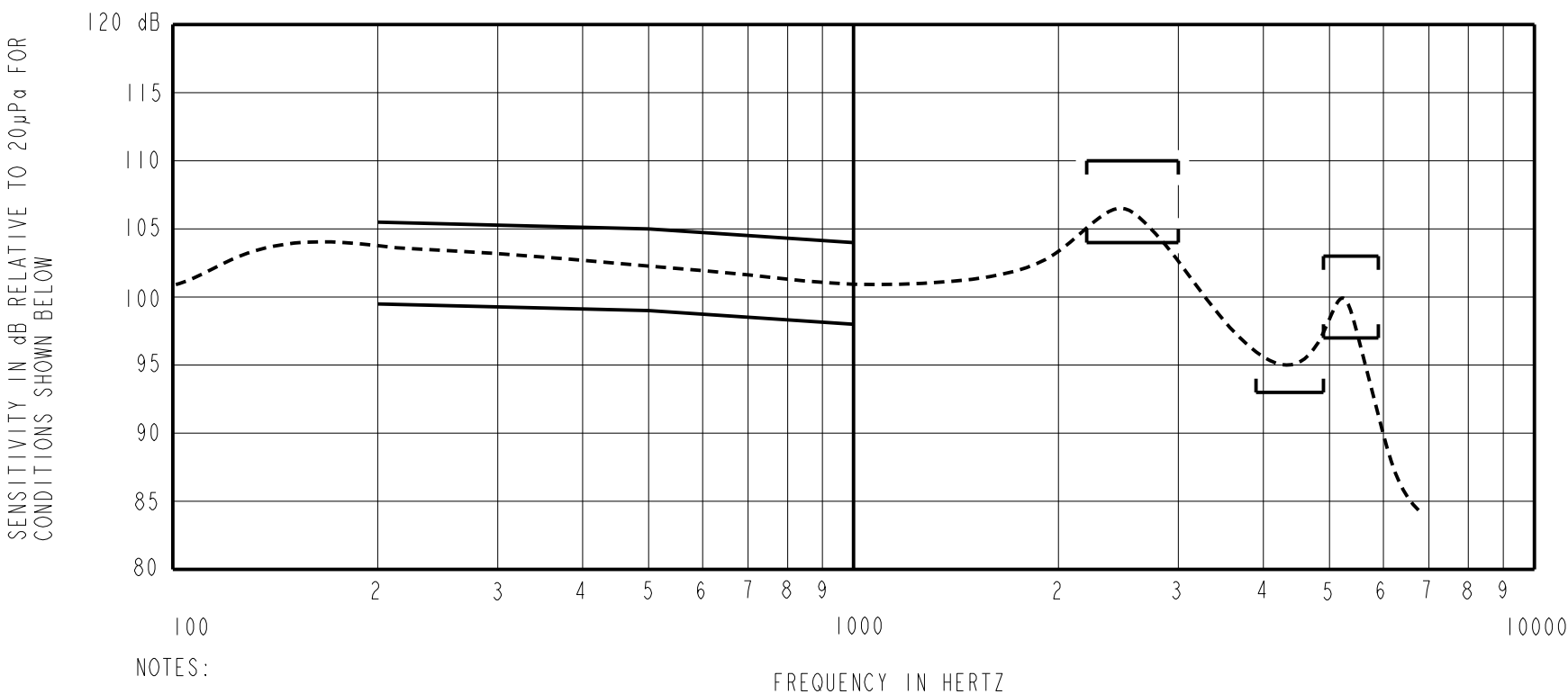
NOTE:  
A POSITIVE GOING VOLTAGE AT THE INPUT  
TERMINAL, CAUSES A DECREASE IN  
PRESSURE AT THE SOUND OUTLET.



SCALE 2:1  
NOMINAL WEIGHT  
.23 GRAMS  
DIMENSIONS IN MILLIMETERS [INCHES]

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

| Revision                           | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|------------------------------------|-----------|---------------------|---------------|----------|
| B                                  | C10114036 | 11-13-12            | Active        | B        |
| A                                  | C10103509 | 12-13-05            |               |          |
| SCALE: 4:1                         |           |                     | DR. BY        |          |
| DO NOT SCALE DRAWING               |           |                     | AB            | 12-13-05 |
| TITLE: RECEIVER<br>OUTLINE DRAWING |           |                     | CK. BY        | DATE     |
|                                    |           |                     | GJP           | 12-21-05 |
|                                    |           |                     | APP. BY       | DATE     |
|                                    |           |                     | GJP           | 12-21-05 |
| ES-23127-000                       |           |                     |               |          |
| SHT 1.1                            |           |                     |               |          |



3.

| FREQUENCY | SENSITIVITY |       |
|-----------|-------------|-------|
|           | MIN.        | MAX.  |
| 200       | 99.5        | 105.5 |
| 500       | 99.0        | 105.0 |
| 1000      | 98.0        | 104.0 |
| 2200-3000 | 104.5       | 110.5 |
| 3900-4900 | 93.0        | ---   |
| 4900-5900 | 97.0        | 103.0 |

4. RESPONSE AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.
5. INDIVIDUAL SPECIFICATIONS.

| PORT<br>LOCATION | MAX. DC<br>SUPPLY CURRENT, mA |             | DISTORTION |            | ELECTRICAL TEST<br>CONDITIONS |     |
|------------------|-------------------------------|-------------|------------|------------|-------------------------------|-----|
|                  | VDC=<br>1.3                   | VDC=<br>1.5 | MAX.<br>%  | FREQ<br>Hz | CONSTANT<br>AC mV RMS         | VDC |
| I2C              | 0.375                         | 0.575       | 5          | 800        | 25                            | 1.3 |

KNOWLES ELECTRONICS  
ITASCA, ILLINOIS U.S.A.

| Revision                                                                                                                                                                                                     | C.O. #    | Implementation Date | RELEASE LEVEL |          | REVISION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|---------------|----------|----------|
| B                                                                                                                                                                                                            | C10114036 | 11-13-12            | Active        |          | B        |
| A                                                                                                                                                                                                            | C10103509 | 12-13-05            |               |          |          |
| 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            | 12-13-05 |          |
|                                                                                                                                                                                                              |           |                     | CK. BY        | DATE     |          |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-21-05 |          |
|                                                                                                                                                                                                              |           |                     | APP. BY       | DATE     |          |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-21-05 |          |

TITLE: RECEIVER  
PERFORMANCE SPECIFICATION

ES-23127-000  
SHT 2.1

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