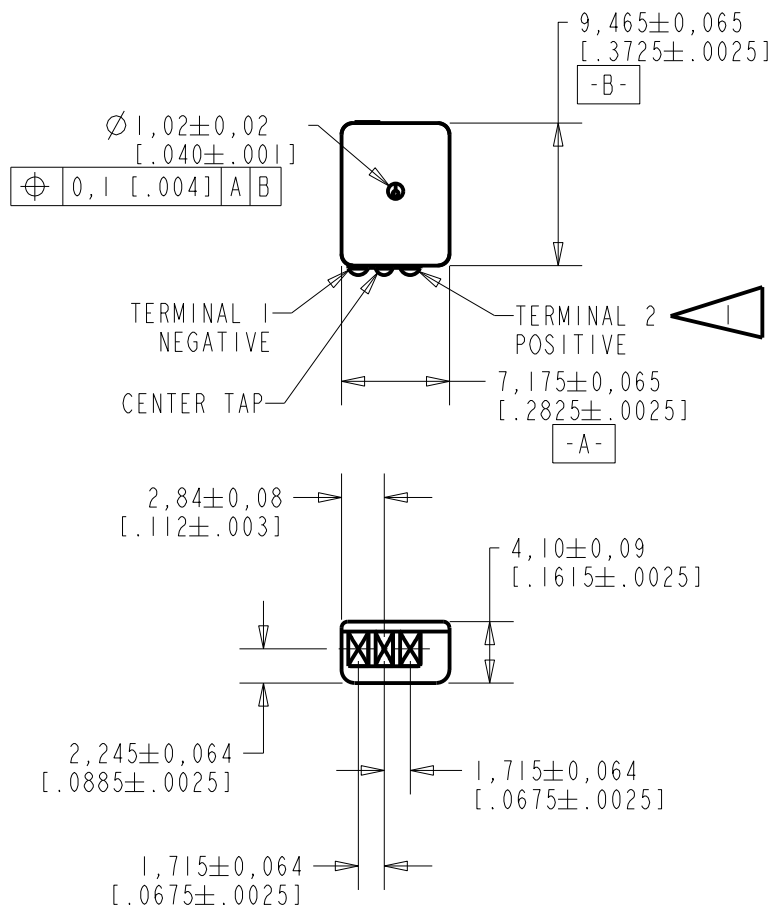


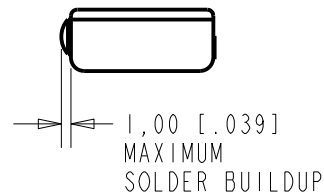
CI-32139-000

SHT 1.1



NOTES:

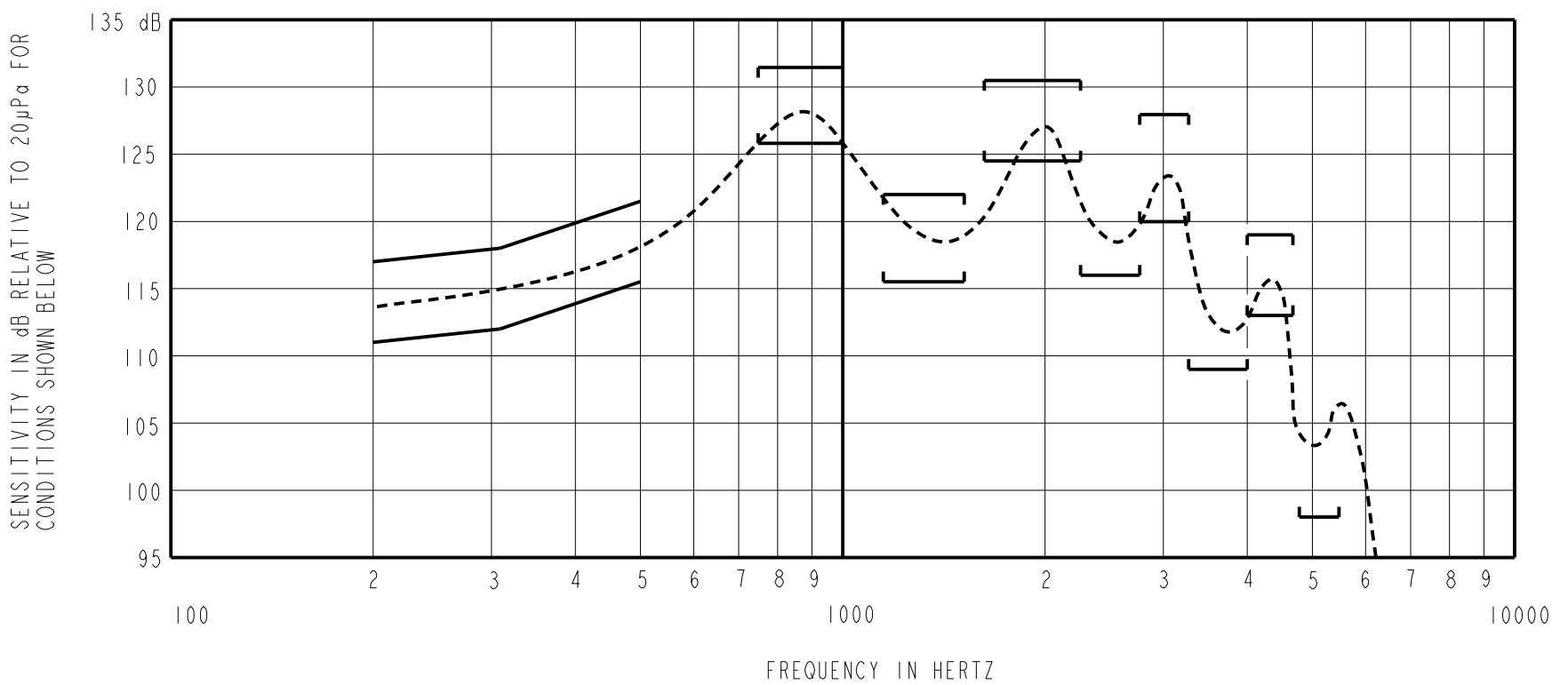
▲ A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES AN INCREASE IN PRESSURE AT THE SOUND OUTLET.



DIMENSIONS IN MILLIMETERS [INCHES]

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

| Revision             | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|----------------------|-----------|---------------------|---------------|----------|
| A                    | CI0115362 | 4-3-14              | Active        | A        |
| SCALE: 2:1           |           |                     | DR. BY DATE   |          |
| DO NOT SCALE DRAWING |           |                     | JL 10-23-13   |          |
| TITLE: RECEIVER      |           |                     | CK. BY DATE   |          |
| OUTLINE DRAWING      |           |                     | GJP 4-10-14   |          |
| CI-32139-000         |           |                     | APP. BY DATE  |          |
| SHT 1.1              |           |                     | GJP 4-10-14   |          |



NOTES:

1. MEASUREMENTS MADE USING 8mm (.315") X 1mm (.039") ID + 28mm (1.10") X 1.5mm (.059") ID EAR HOOK SIMULATOR INTO 25mm (.984") OF 2 mm (.079") ID TUBE + 18mm (.709") OF 3mm (.118") ID TUBE + 2 cm<sup>3</sup> CAVITY ANSI S3.6 TYPE HA-3 (IEC 60318-5).

2. SENSITIVITY

| FREQUENCY | MIN.  | MAX.  |
|-----------|-------|-------|
| 200       | 111.0 | 117.0 |
| 300       | 112.0 | 118.0 |
| 500       | 115.5 | 121.5 |
| 750-1000  | 125.5 | 131.5 |
| 1200-1600 | 116.0 | 122.0 |
| 1700-2300 | 124.5 | 130.5 |
| 2300-2800 | 116.0 | ---   |
| 2800-3300 | 120.0 | 128.0 |
| 3300-4000 | 109.0 | ---   |
| 4000-4700 | 113.0 | 119.0 |
| 4800-5500 | 98.0  | ---   |

3. RESPONSE, IMPEDANCE, AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.

4. INDIVIDUAL SPECIFICATIONS.

| PORT LOCATION | ELECTRICAL TEST CONDITIONS |       |            |       | IMPEDANCE @ 500Hz OHMS±15% | DCR @20°C OHMS ±10% | DISTORTION |          |
|---------------|----------------------------|-------|------------|-------|----------------------------|---------------------|------------|----------|
|               | RESPONSE & IMPEDANCE       |       | DISTORTION |       |                            |                     | MAX. %     | FREQ. Hz |
|               | AC mA RMS                  | DC mA | AC mA RMS  | DC mA |                            |                     |            |          |
| 0JN           | 3.75                       | 0.0   | 7.5        | 0.0   | 47                         | 20                  | 10         | 500      |

5. ELECTRICAL SOURCE IMPEDANCE MUST BE GREATER THAN 20 TIMES STATED IMPEDANCE FOR TEST CONDITIONS ABOVE.

| Revision | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| A        | CI0115362 | 4-3-14              | Active        | A        |

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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

TITLE: **RECEIVER**  
PERFORMANCE SPECIFICATION

**CI-32139-000**  
SHT 2.1

| DR. BY  | DATE     |
|---------|----------|
| JL      | 10-23-13 |
| CK. BY  | DATE     |
| GJP     | 4-10-14  |
| APP. BY | DATE     |
| GJP     | 4-10-14  |