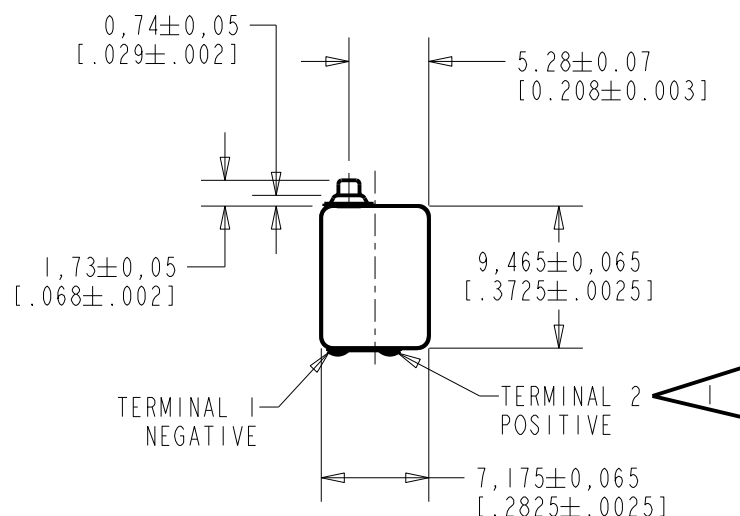


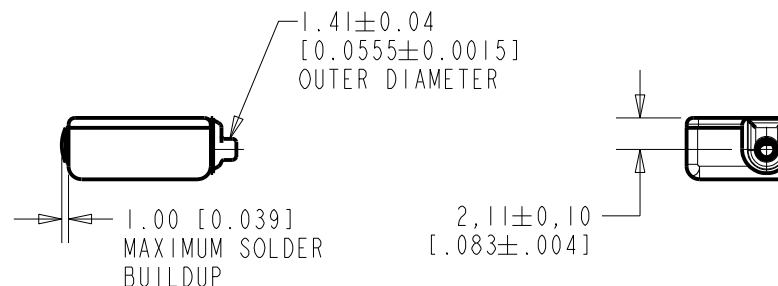
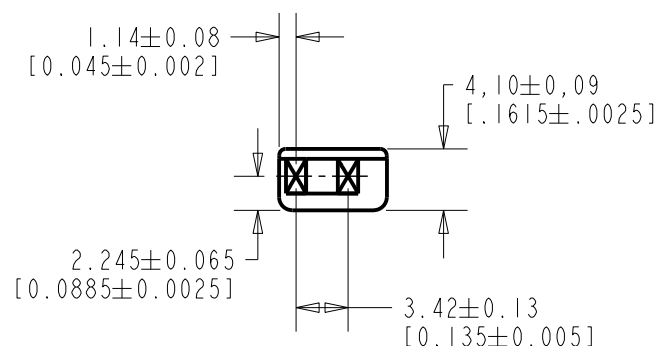
CI-28597-000

SHT 1.1



NOTES:

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

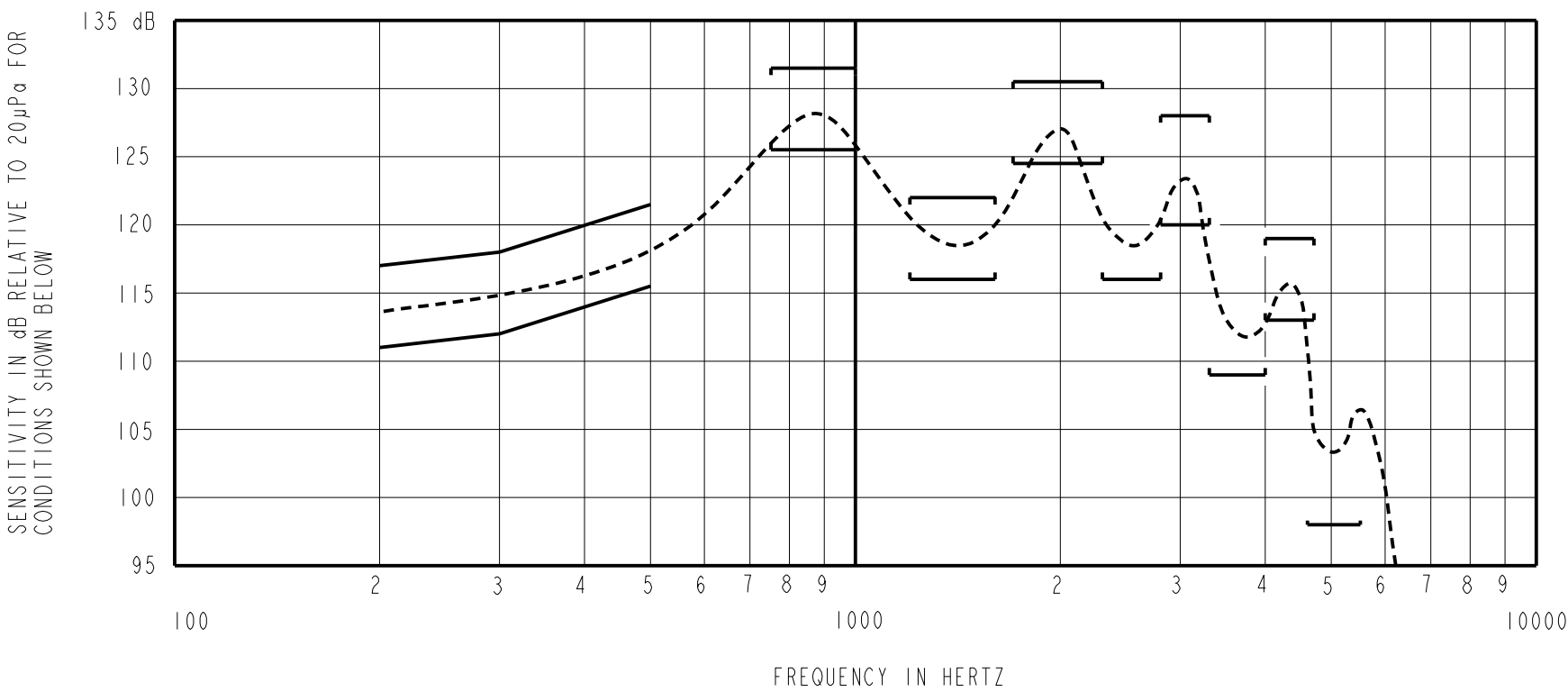


DIMENSIONS IN MILLIMETERS [INCHES]

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| Revision             | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION      |
|----------------------|-----------|---------------------|---------------|---------------|
| B                    | CI0111948 | 12-31-10            | Active        | B             |
| A                    | CI0103413 | 11-30-05            |               |               |
| SCALE: 2:1           |           |                     | DR. BY DMS    | DATE 11-30-05 |
| DO NOT SCALE DRAWING |           |                     | CK. BY GJP    | DATE 12-5-05  |
| TITLE: RECEIVER      |           |                     | APP. BY GJP   | DATE 12-5-05  |
| OUTLINE DRAWING      |           |                     | Rev: B        |               |
| CI-28597-000         |           |                     | SHT 1.1       |               |

NO DAMPING



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 2mm [.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
- | <u>FREQUENCY</u> | <u>MIN.</u> | <u>MAX.</u> |
|------------------|-------------|-------------|
| 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<br>LOCATION | ELECTRICAL TEST CONDITIONS |          |              |          | IMPEDANCE<br>@ 500 Hz<br>OHMS±20% | DCR<br>@20°C<br>OHMS<br>±10% | DISTORTION |             |
|------------------|----------------------------|----------|--------------|----------|-----------------------------------|------------------------------|------------|-------------|
|                  | RESPONSE &<br>IMPEDANCE    |          | DISTORTION   |          |                                   |                              | MAX.<br>%  | FREQ.<br>Hz |
|                  | AC<br>mA RMS               | DC<br>mA | AC<br>mA RMS | DC<br>mA |                                   |                              |            |             |
| IIS              | 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.

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| Revision                                                                                                                                                                                                     | C.O. #    | Implementation Date | RELEASE LEVEL |          | REVISION |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|---------------|----------|----------|
| B                                                                                                                                                                                                            | CI0111948 | 12-31-10            | Active        |          | B        |
| A                                                                                                                                                                                                            | CI0103413 | 11-30-05            |               |          |          |
| 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     |          |
| TITLE: <b>RECEIVER</b><br><br>PERFORMANCE SPECIFICATION                                                                                                                                                      |           |                     | DMS           | 11-30-05 |          |
|                                                                                                                                                                                                              |           |                     | CK. BY        | DATE     |          |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-5-05  |          |
|                                                                                                                                                                                                              |           |                     | CI-28597-000  |          |          |
|                                                                                                                                                                                                              |           |                     | SHT 2.1       |          |          |
|                                                                                                                                                                                                              |           |                     | APP. BY       | DATE     |          |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-5-05  |          |

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