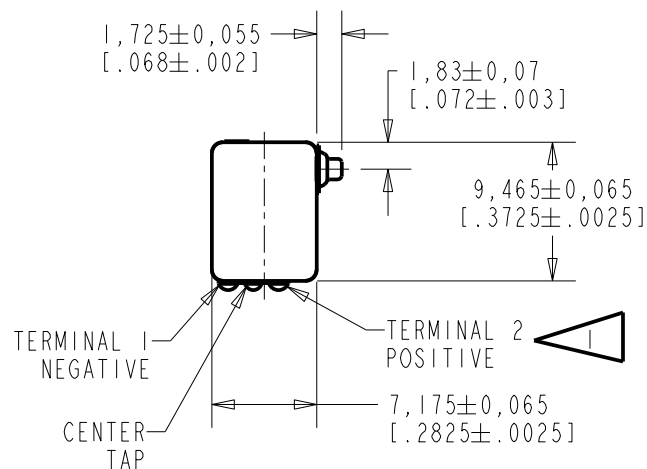


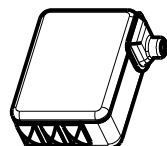
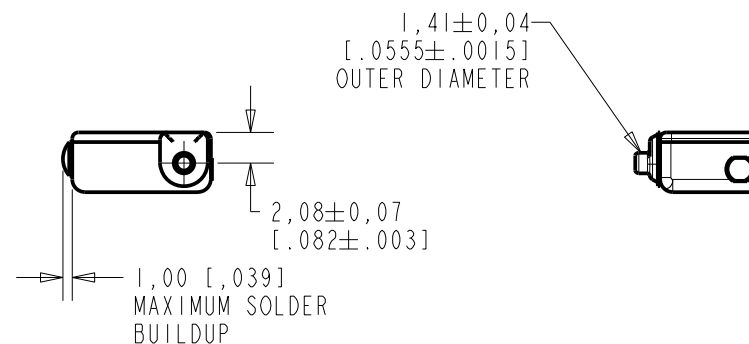
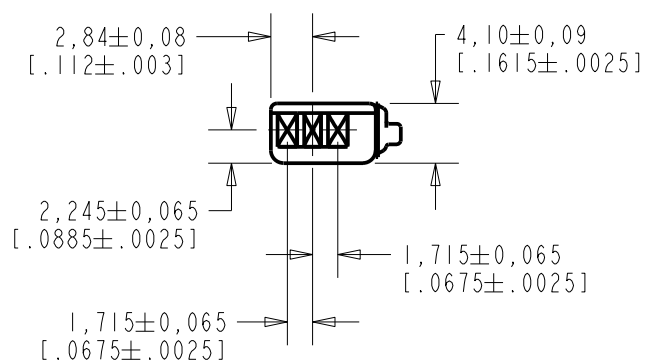
CI-28329-000

SHT 1.1



NOTES:

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

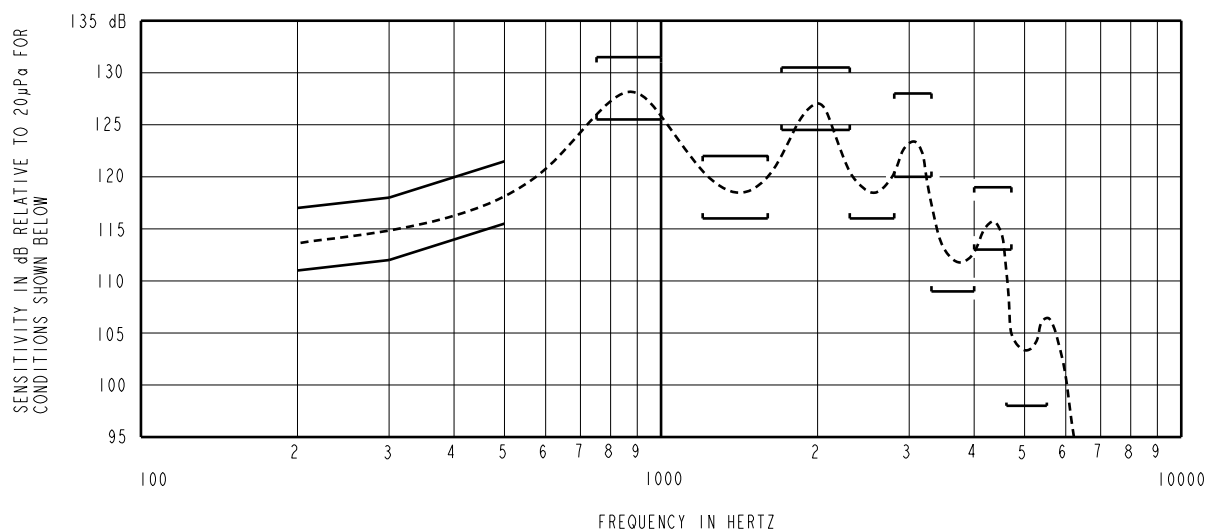


NOMINAL WEIGHT  
1.0 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

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| Revision             | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|----------------------|-----------|---------------------|---------------|----------|
|                      |           |                     | Active        | D        |
| D                    | CI0114321 | 12-12-12            |               |          |
|                      |           |                     |               |          |
| SCALE: 2:1           |           |                     | DR. BY        | DATE     |
| DO NOT SCALE DRAWING |           |                     | DMS           | 11-30-05 |
| TITLE: RECEIVER      |           |                     | CK. BY        | DATE     |
| OUTLINE DRAWING      |           |                     | GJP           | 12-5-05  |
| CI-28329-000         |           |                     | APP. BY       | DATE     |
| SHT 1.1              |           |                     | GJP           | 12-5-05  |



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

| 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<br>LOCATION | ELECTRICAL TEST CONDITIONS |          |              |          | IMPEDANCE<br>@ 500 Hz<br>OHMS±15% | 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 |                                   |                              |            |             |
| 2S               | 2.4                        | 0.0      | 4.8          | 0.0      | 120                               | 51                           | 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 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|---------------|----------|
|                                                                                                                                                                                                              |           |                     | Active        | D        |
|                                                                                                                                                                                                              |           |                     |               |          |
| D                                                                                                                                                                                                            | CI0114321 | 12-12-12            |               |          |
| 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     |
|                                                                                                                                                                                                              |           |                     | DMS           | 11-30-05 |
|                                                                                                                                                                                                              |           |                     | CK. BY        | DATE     |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-5-05  |
|                                                                                                                                                                                                              |           |                     | APP. BY       | DATE     |
|                                                                                                                                                                                                              |           |                     | GJP           | 12-5-05  |
| TITLE: RECEIVER                                                                                                                                                                                              |           |                     | CI-28329-000  |          |
| PERFORMANCE SPECIFICATION                                                                                                                                                                                    |           |                     | SHT 2.1       |          |

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