



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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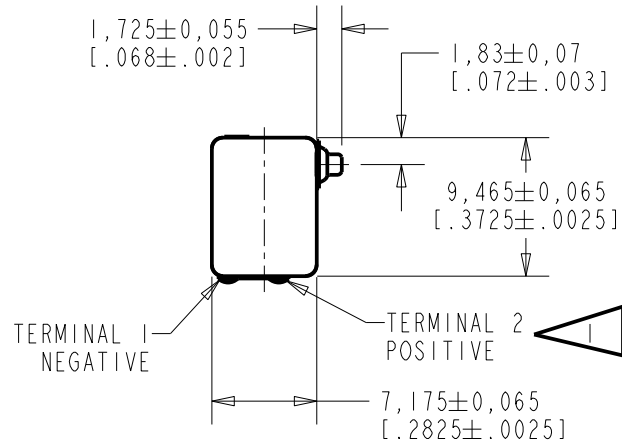
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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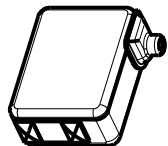
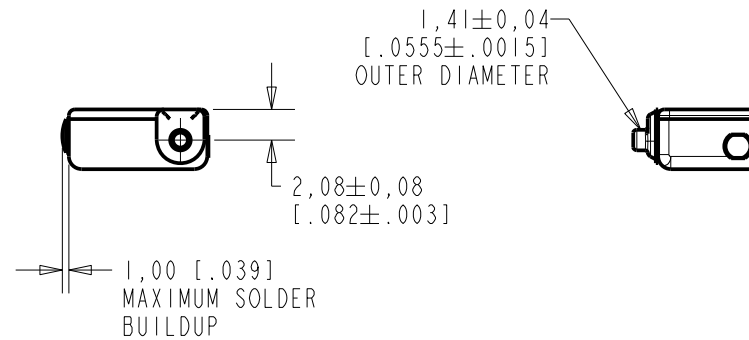
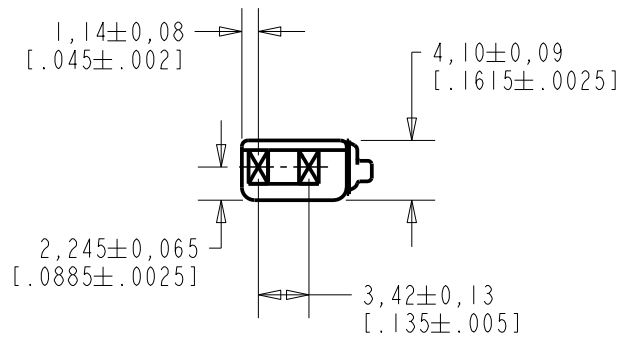
CI-28352-000

SHT 1.1



NOTES:

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



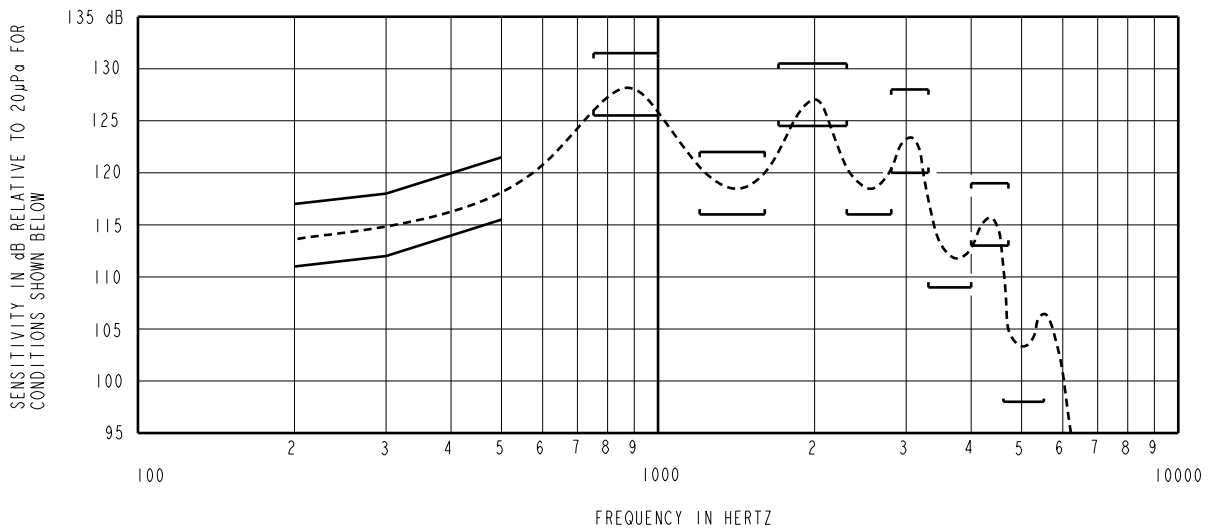
NOMINAL WEIGHT  
1.0 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

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

| Revision | C.O. #    | Implementation Date | RELEASE LEVEL | REVISION |
|----------|-----------|---------------------|---------------|----------|
| C        | C10114321 | 12-12-12            | <b>Active</b> | <b>C</b> |
| B        | C10111948 | 12-31-10            |               |          |
| A        | C10103477 | 11-30-05            |               |          |

|                      |                 |                     |         |          |
|----------------------|-----------------|---------------------|---------|----------|
| SCALE:               | <b>2:1</b>      |                     | DR. BY  | DATE     |
| DO NOT SCALE DRAWING |                 |                     | DMS     | 11-30-05 |
| TITLE:               | <b>RECEIVER</b> | <b>CI-28352-000</b> | CK. BY  | DATE     |
| OUTLINE DRAWING      |                 | <b>SHT 1.1</b>      | GJP     | 12-5-05  |
|                      |                 |                     | APP. BY | DATE     |
|                      |                 |                     | 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 LOCATION | ELECTRICAL TEST CONDITIONS |       |            |       |    | IMPEDANCE @ 500 Hz OHMS ± 20% | DCR @ 20°C OHMS ± 10% | DISTORTION |          |
|---------------|----------------------------|-------|------------|-------|----|-------------------------------|-----------------------|------------|----------|
|               | RESPONSE & IMPEDANCE       |       | DISTORTION |       |    |                               |                       | MAX. %     | FREQ. Hz |
|               | AC mA RMS                  | DC mA | AC mA RMS  | DC mA |    |                               |                       |            |          |
| 2S            | 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 |
|----------|-----------|---------------------|---------------|----------|
| C        | CI0114321 | 12-12-12            | Active        | C        |
| B        | CI0111948 | 12-31-10            |               |          |
| A        | CI0103477 | 11-30-05            |               |          |

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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 |  | DR. BY  | DATE     |
|  |  | DMS     | 11-30-05 |
|  |  | CK. BY  | DATE     |
|  |  | GJP     | 12-5-05  |
|  |  | APP. BY | DATE     |
|  |  | GJP     | 12-5-05  |

|        |                           |              |
|--------|---------------------------|--------------|
| TITLE: | RECEIVER                  | CI-28352-000 |
|        | PERFORMANCE SPECIFICATION | SHT 2.1      |