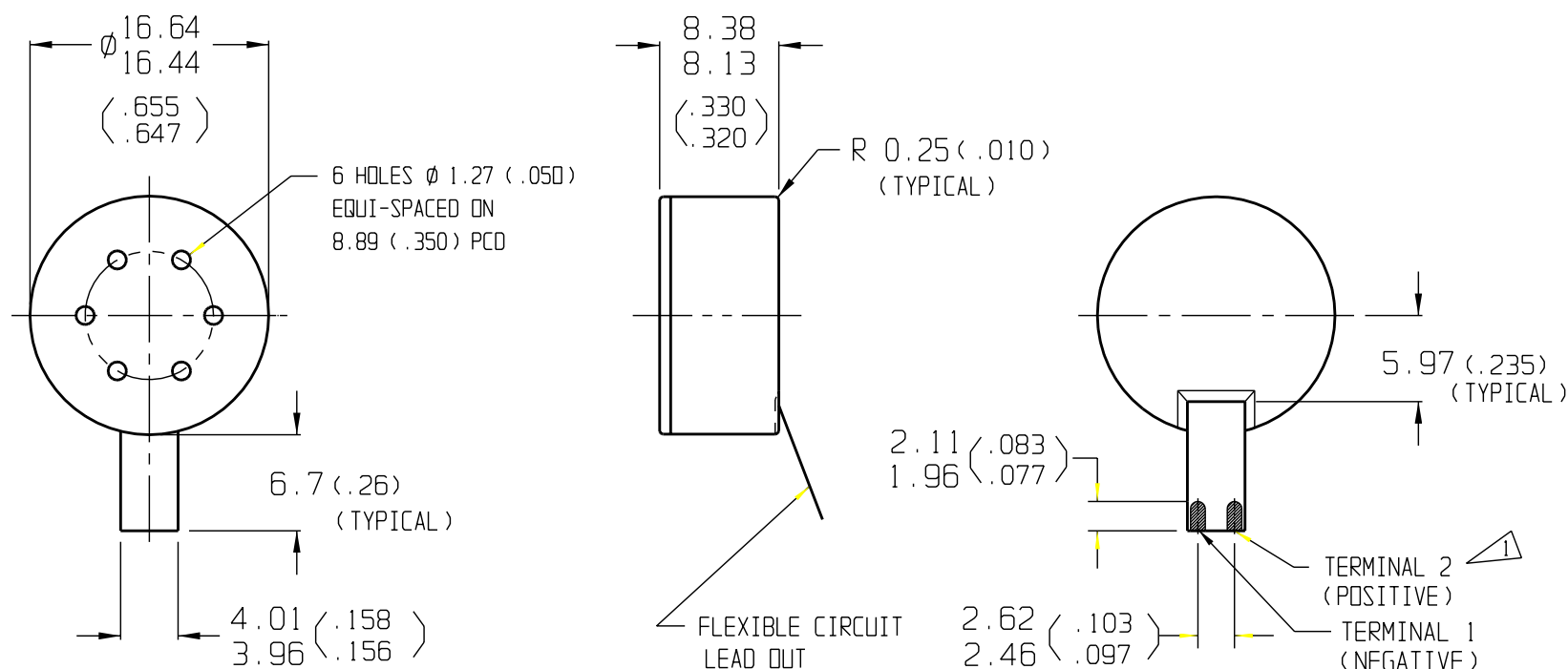


CM-28421-000

SHT 1.1

NOTE:

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



NOMINAL WEIGHT  
1.5 GRAMS

DIMENSIONS IN MILLIMETERS (INCHES)

ISSUE

A

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SCALE: 2:1

DO NOT SCALE DRAWING

C

TITLE: EARPIECE  
OUTLINE DRAWING

CM-28421-000  
SHT 1.1

DR. BY DATE

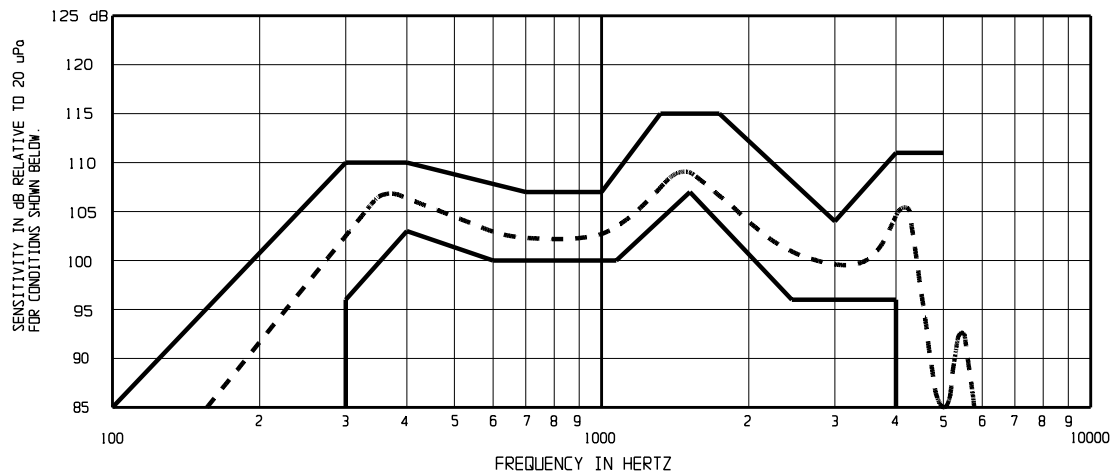
AB 1-4-06

CK. BY DATE

GJP 1-8-06

APP. BY DATE

GJP 1-8-06



NOTES:

1. MEASUREMENTS MADE WITH UNIT UNDER TEST, SEALED TO AN IEC 318 COUPLER ( BRUEL & KJAER PART No. 4153 ).
2. ELECTRICAL SIGNAL ( SEE # 6 BELOW )

3. SENSITIVITY

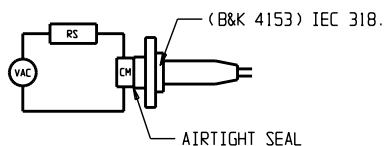
SENSITIVITY Contd )

| FREQUENCY | MIN.  | MAX.  | FREQUENCY | MIN.  | MAX.  |
|-----------|-------|-------|-----------|-------|-------|
| 100       | ---   | 85.0  | 1400      | ---   | 115.0 |
| 300       | 96.0  | 110.0 | 1600      | 107.0 | ---   |
| 400       | 103.0 | 110.0 | 1800      | ---   | 115.0 |
| 600       | 100.0 | ---   | 2500      | 96.0  | ---   |
| 700       | ---   | 107.0 | 3000      | ---   | 104.0 |
| 1000      | ---   | 107.0 | 4000      | 96.0  | 111.0 |
| 1100      | 100.0 | ---   | 5000      | ---   | 111.0 |

4. THERE WILL BE NO BUZZ OR RATTLE WHEN DRIVEN AT MAXIMUM DRIVE ( SEE # 6 BELOW ) & SWEPT FROM 300 Hz to 4 KHz.
5. RESPONSE AND DISTORTION MEASUREMENTS MADE USING ELECTRICAL CONDITIONS SHOWN BELOW.
6. INDIVIDUAL SPECIFICATIONS.

| STD DRIVE |         | DISTORTION |            | 1 KHz<br>IMP. ( $\pm 15\%$ ) | D.C. RES<br>@ 23°C ( $\pm 10\%$ ) | MAX DRIVE |         |
|-----------|---------|------------|------------|------------------------------|-----------------------------------|-----------|---------|
| VAC RMS   | RS OHMS | MAX.<br>%  | FREQ<br>Hz |                              |                                   | VAC RMS   | RS OHMS |
| 0.31      | 700     | 2          | 300        | 360                          | 100                               | 1.5       | 700     |

7. TEST CONDITIONS.



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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 variations.

TITLE: **EARPIECE**  
PERFORMANCE SPECIFICATION

**CM-28421-000**  
SHT 2.1

DR. BY DATE  
AB 1-4-06  
CK. BY DATE  
GJP 1-8-06  
APP. BY DATE  
GJP 1-8-06

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