

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Knowles](#)

[CM-28421-000](#)

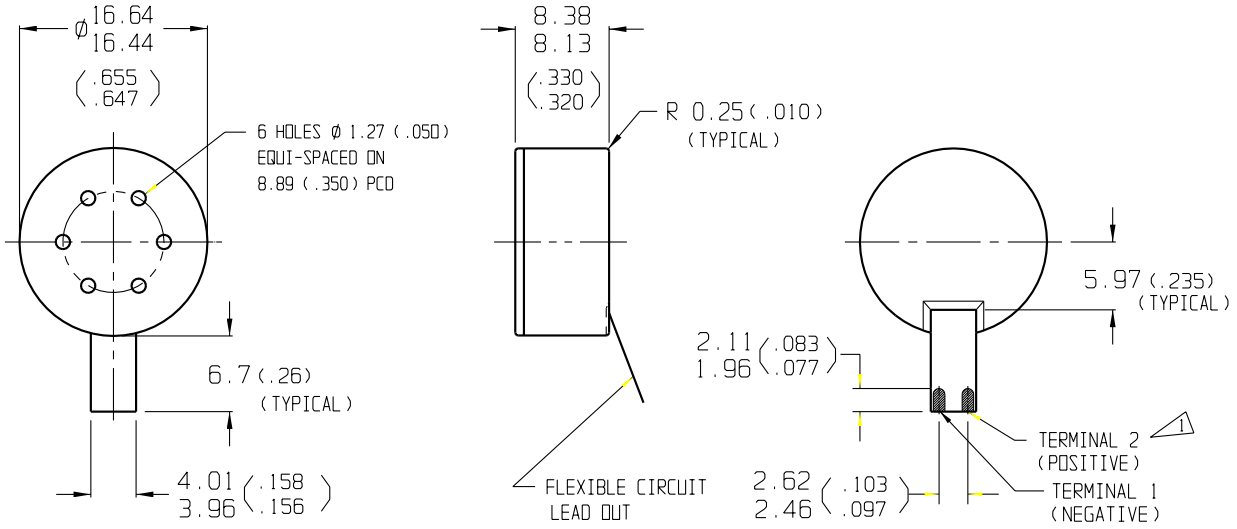
For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

**CM-28421-000**  
 SHT 1.1

NOTE:

▶ 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

KNOWLES ELECTRONICS

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

SCALE: 2:1

DO NOT SCALE DRAWING

DR. BY DATE

AB 1-4-06

CK. BY DATE

GJP 1-8-06

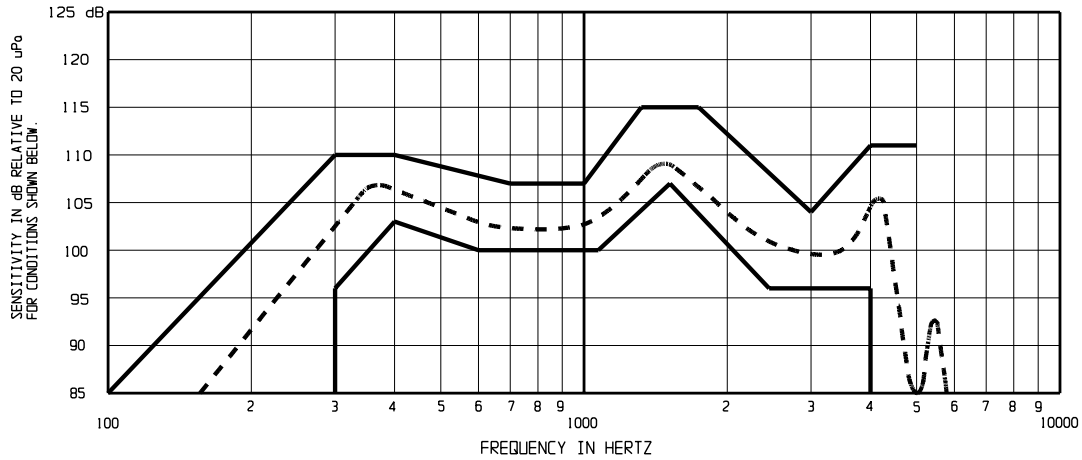
APP. BY DATE

GJP 1-8-06

TITLE: **EARPIECE**  
 OUTLINE DRAWING

**CM-28421-000**  
 SHT 1.1

**CM-28421-000**  
SHT 2.1



NOTES:

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

3. SENSITIVITY

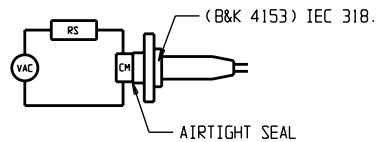
SENSITIVITY Contd )

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

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

STD DRIVE		DISTORTION		1 KHz IMP. (±15%)	D.C. RES @ 23°C (±10%)	MAX DRIVE	
VAC RMS	RS OHMS	MAX. %	FREQ Hz			VAC RMS	RS OHMS
0.31	700	2	300	360	100	1.5	700

7. TEST CONDITIONS.



ISSUE  
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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.

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

TITLE: **EARPIECE**  
PERFORMANCE SPECIFICATION

**CM-28421-000**  
SHT 2.1