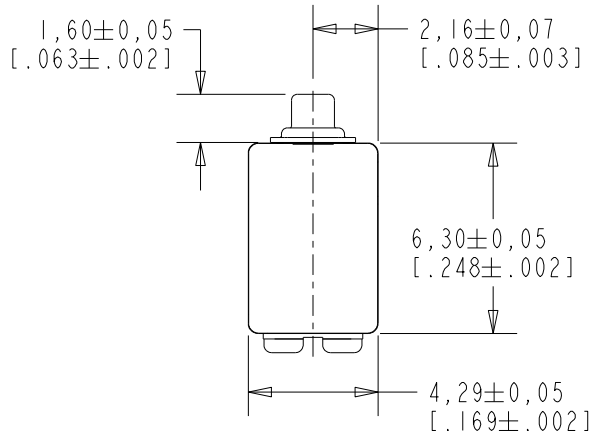


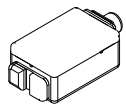
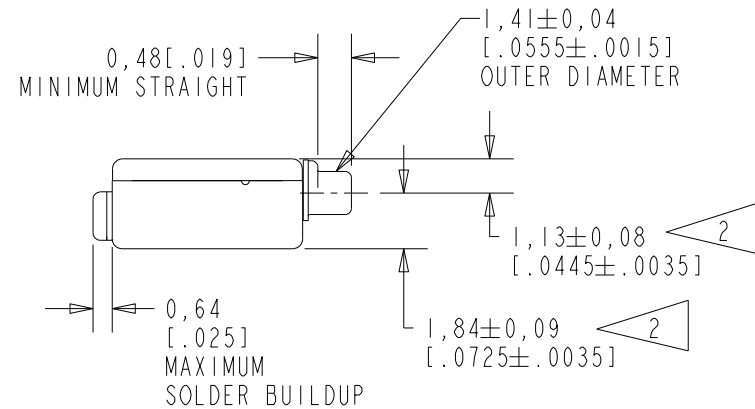
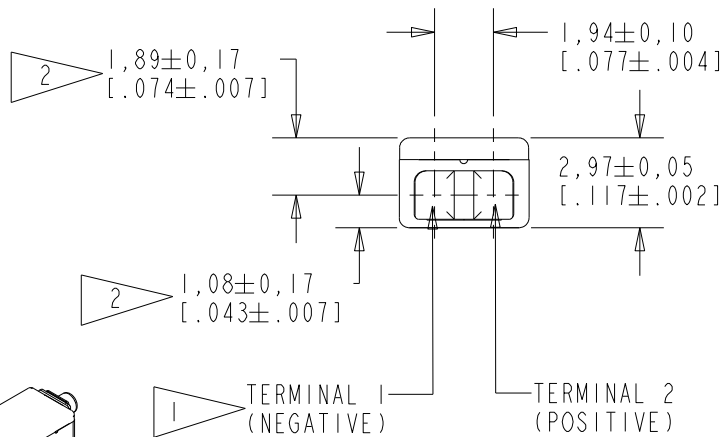
ED-23619-000

SHT 1.1



NOTE:

- 1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.
- 2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO  $\pm 0,17$  [.007].



SCALE 2:1

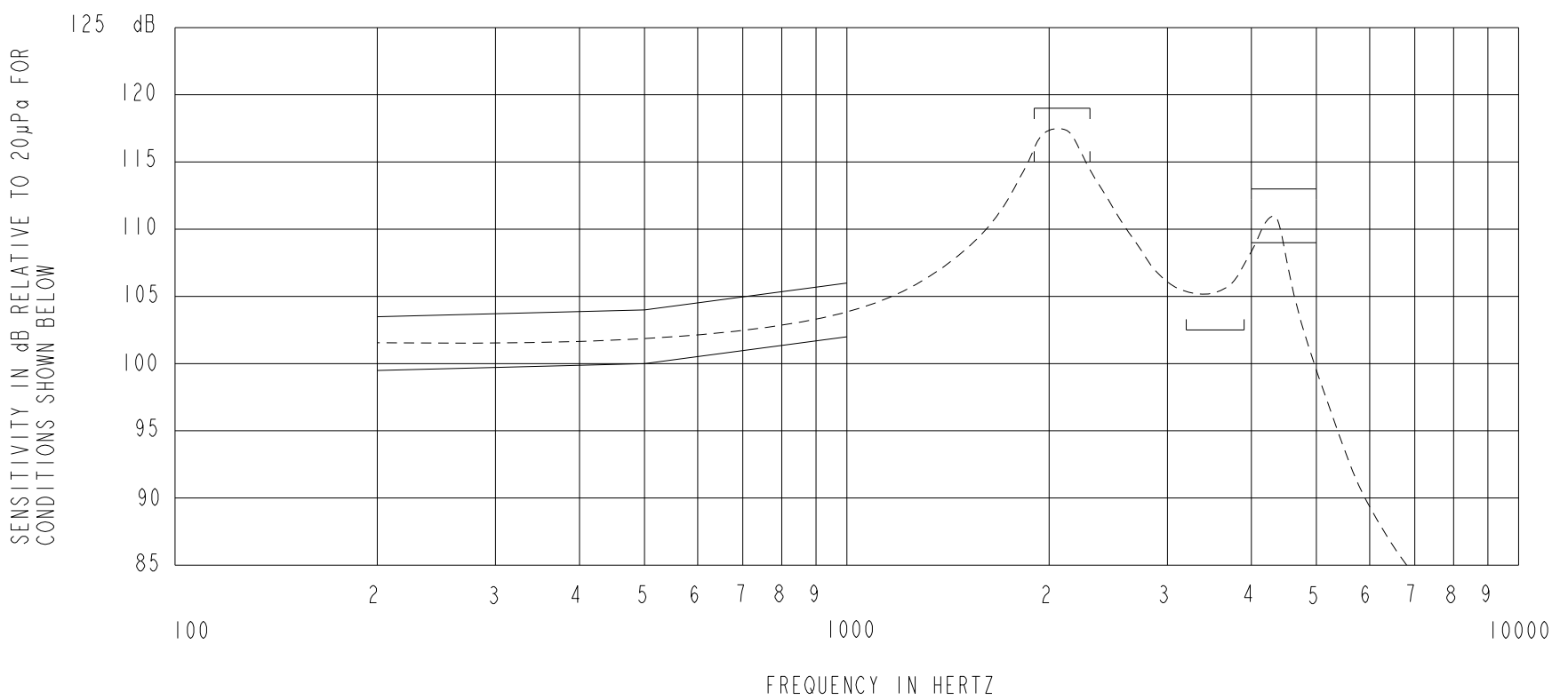
NOMINAL WEIGHT  
.31 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	PI0000657	7-12-16	Active	C
B	CI0107990	8-20-08		
A	CI0103543	1-3-06		

SCALE: 4:1		DR. BY	DATE
DO NOT SCALE DRAWING		CRG	1-3-06
TITLE: RECEIVER		ED-23619-000	CK. BY
OUTLINE DRAWING		SHT 1.1	GJP
		APP. BY	DATE
		GJP	1-5-06

**KNOWLES CORPORATION**



NOTES:

1. MEASUREMENTS MADE USING 10mm (.394") X 1mm (.039") ID TUBE CONNECTED TO A SIMULATED ANSI S3.7 TYPE HA-3 COUPLER. (IEC 60318-5).

2. SENSITIVITY

FREQUENCY	MIN.	MAX.
200	99.5	103.5
500	100.0	104.0
1000	102.0	106.0
1900-2300	115.0	119.0
3200-3900	102.5	---
4000-5000	109.0	113.0

- RESPONSE, IMPEDANCE, AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.
- ELECTRICAL SOURCE IMPEDANCE MUST BE GREATER THAN 20 TIMES 1KHz IMPEDANCE FOR TEST CONDITIONS SHOWN BELOW.
- INDIVIDUAL SPECIFICATIONS.

PORT LOCATION	IMPEDANCE OHMS ±15%		DCR @20°C OHMS ±10%	DISTORTION		ELECTRICAL TEST CONDITIONS	
	1KHz	500Hz		MAX. %	FREQ Hz	AC mA RMS	DC mA
12C	10.2	7.1	3.32	5	800	6.3	0.0

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	PI0000657	7-12-16	Active	C
B	CI0107990	8-20-08		
A	CI0103543	1-3-06		

**KNOWLES CORPORATION**

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

TITLE: RECEIVER  
PERFORMANCE SPECIFICATION

ED-23619-000  
SHT 2.1

DR. BY	DATE
CRG	1-3-06
CK. BY	DATE
GJP	1-5-06
APP. BY	DATE
GJP	1-5-06