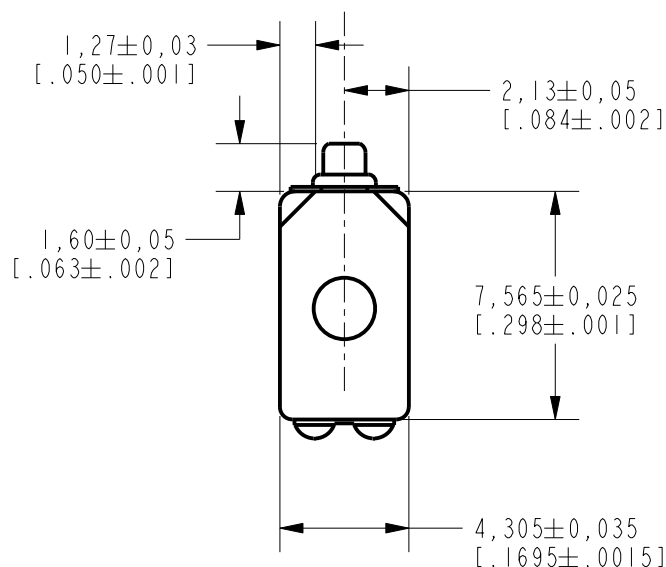


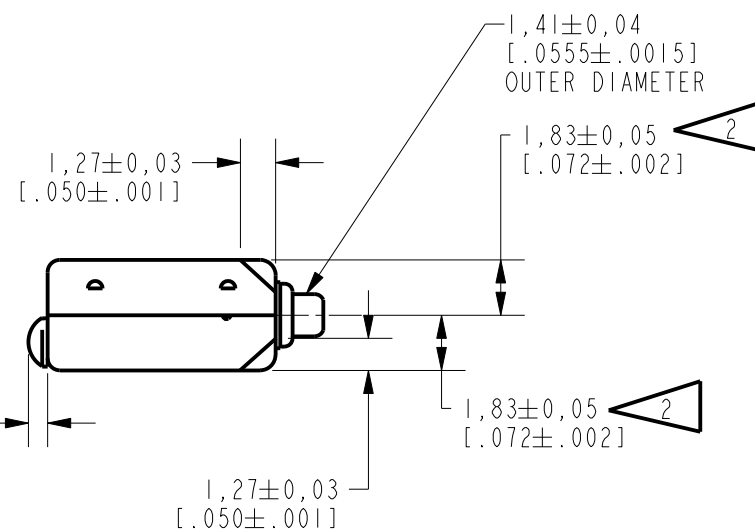
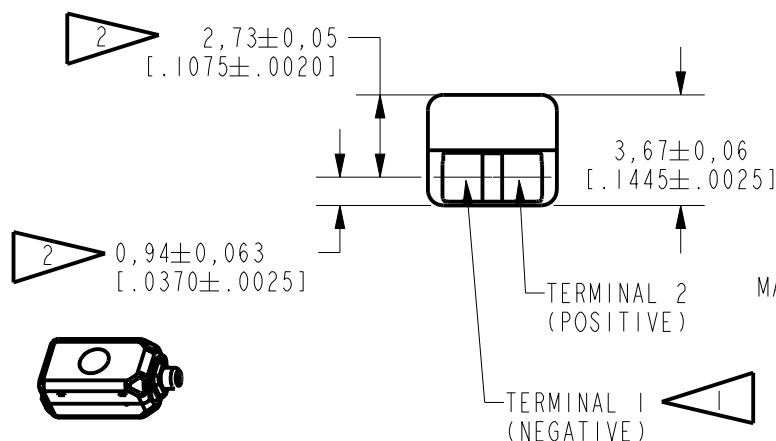
EC-23097-000

SHT 1.1



NOTES:

- 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.



SCALE 2:1
NOMINAL WEIGHT
.42 GRAMS

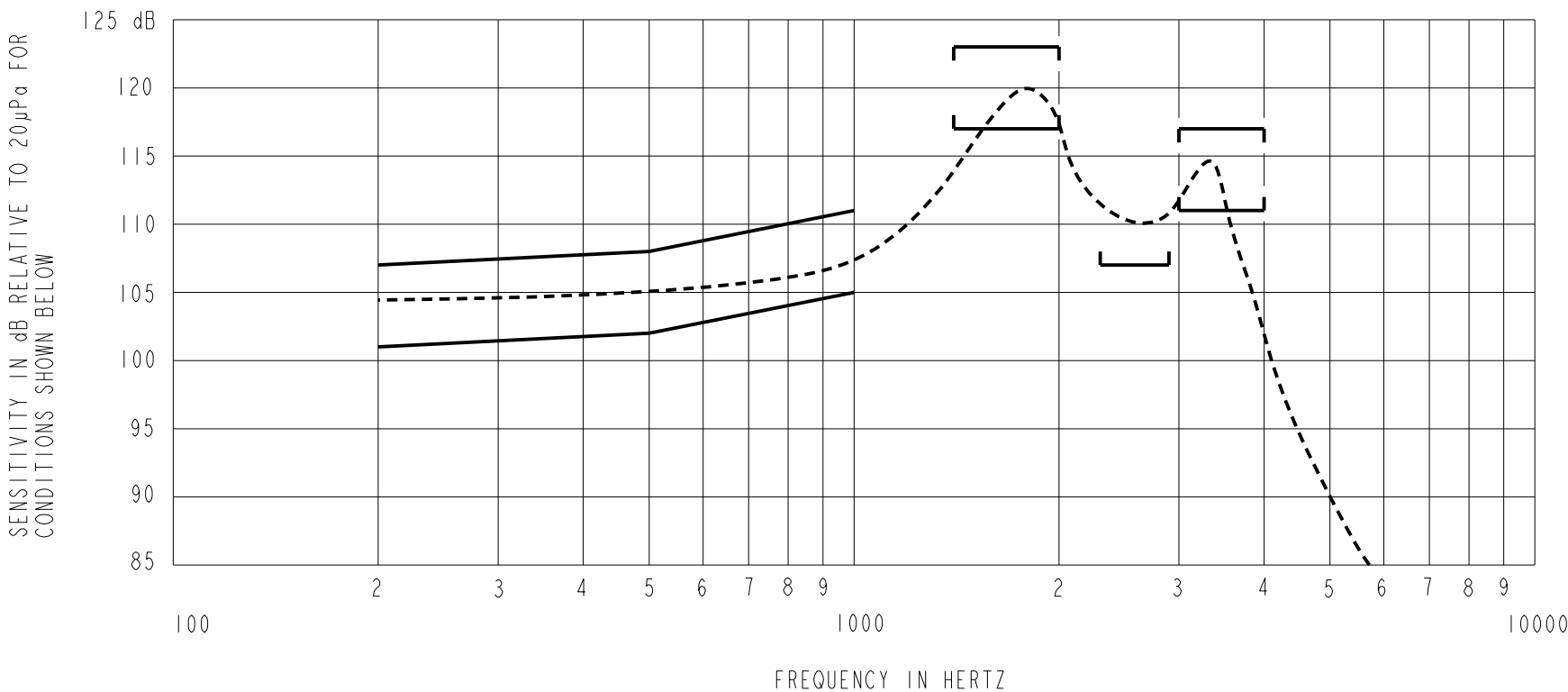
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	CI0115009	7-11-13	Active	C
B	CI0106330	9-3-07		
A	CI0103434	11-15-05		

SCALE: 4:1		DR. BY	DATE
DO NOT SCALE DRAWING		CRG	11-15-05
TITLE: RECEIVER		CK. BY	DATE
OUTLINE DRAWING		GJP	11-22-05
EC-23097-000		APP. BY	DATE
SHT 1.1		GJP	11-22-05

NO DAMPING



NOTES:

1. MEASUREMENTS MADE USING 10mm (.394") OF 1mm (.039") ID TUBE CONNECTED TO A SIMULATED ANSI S3.7 TYPE HA-3 COUPLER . (IEC 60318-5).
2. SENSITIVITY
- | FREQUENCY | MIN. | MAX. |
|-----------|-------|-------|
| 200 | 101.0 | 107.0 |
| 500 | 102.0 | 108.0 |
| 1000 | 105.0 | 111.0 |
| 1400-2000 | 117.0 | 123.0 |
| 2300-2900 | 107.0 | --- |
| 3000-4000 | 111.0 | 117.0 |
3. RESPONSE, IMPEDANCE, AND DISTORTION MEASUREMENTS MADE USING THE ELECTRICAL TEST CONDITIONS SHOWN BELOW.
4. ELECTRICAL SOURCE IMPEDANCE MUST BE GREATER THAN 20 TIMES 1KHz IMPEDANCE FOR TEST CONDITIONS SHOWN BELOW.
5. 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
12S	400	200	92.0	10	800	1.09	1.55

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
C	C10115009	7-11-13	Active		C
B	C10106330	9-3-07			
A	C10103434	11-15-05			
TITLE:			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
			RECEIVER		CRG 11-15-05
PERFORMANCE SPECIFICATION			EC-23097-000		CK. BY DATE
			SHT 2.1		GJP 11-22-05
					APP. BY DATE
					GJP 11-22-05

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