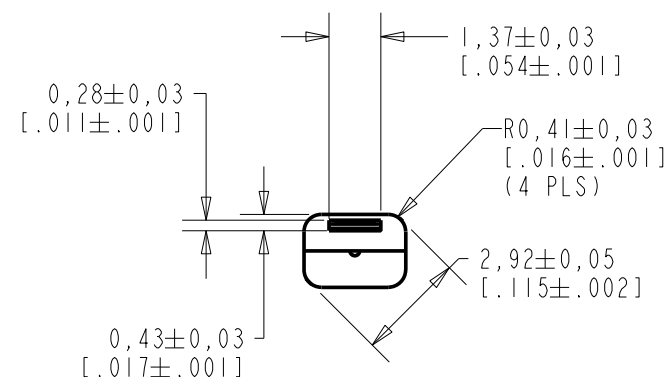
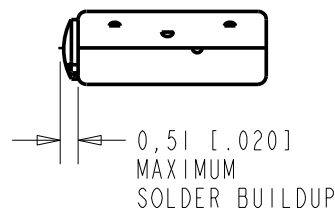
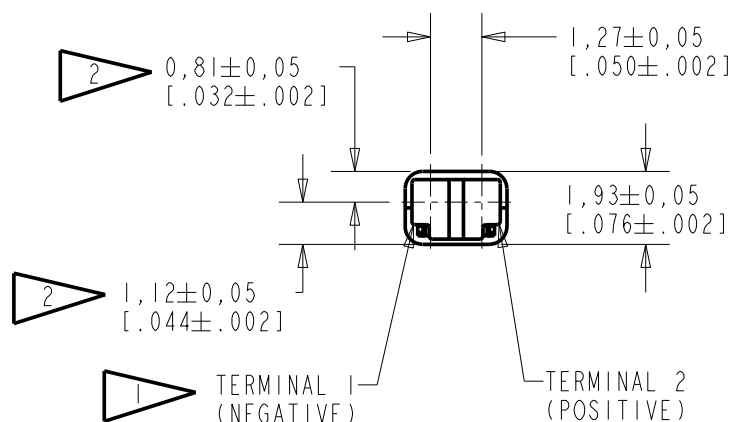
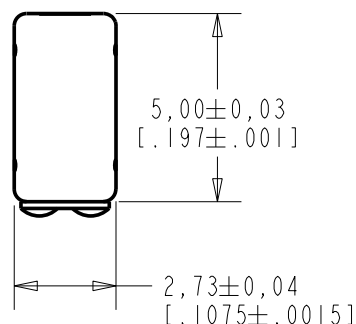


FK-26837-000

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

DIMENSIONS IN MILLIMETERS [INCHES]

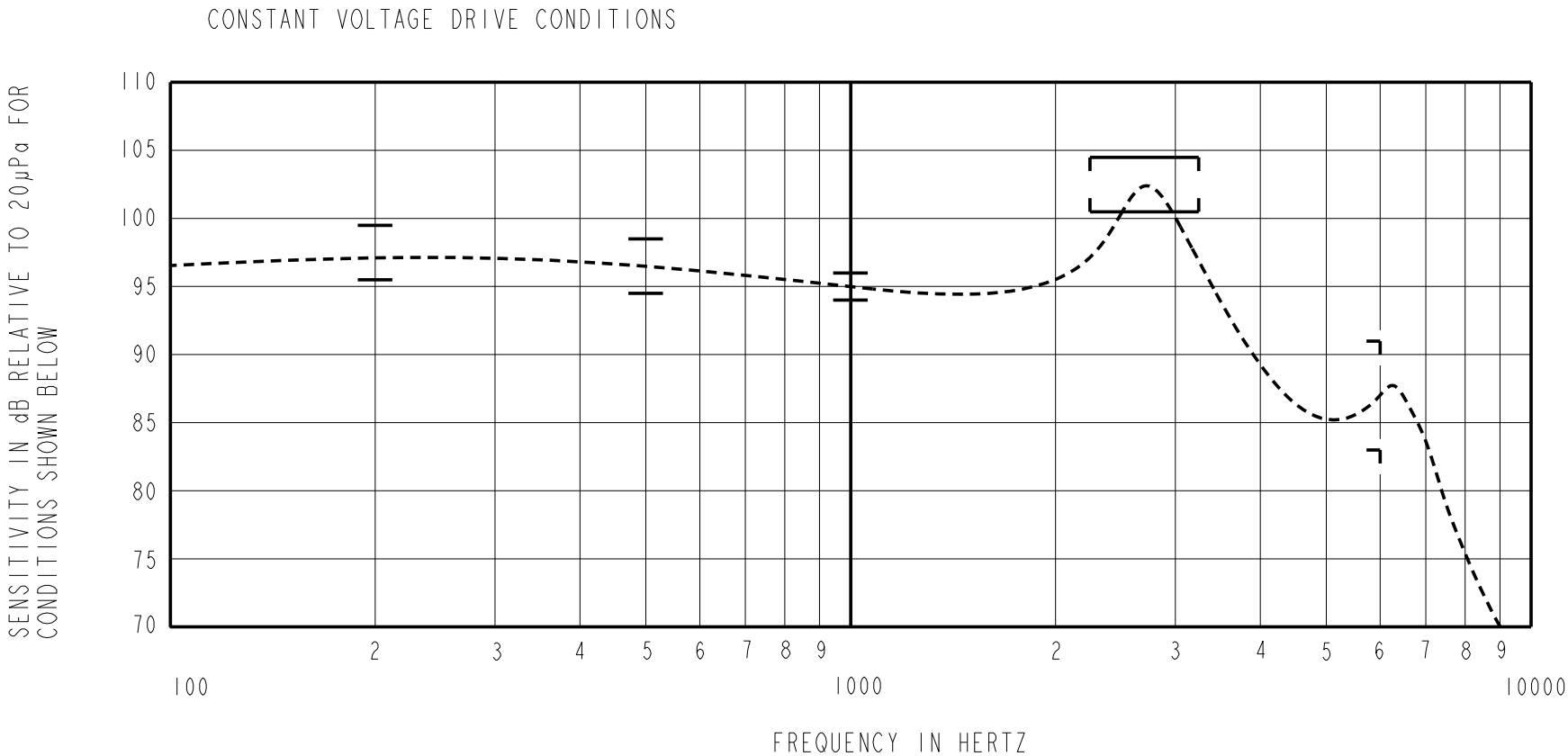
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	G
G	CI0110537	11-30-09		
SCALE: 5:1			DR. BY	DATE
DO NOT SCALE DRAWING			MMM	6-17-05
TITLE: RECEIVER OUTLINE DRAWING			CK. BY	DATE
			GJP	6-24-05
			APP. BY	DATE
			GJP	6-24-05
			SHT 1.1	

THE FK-26837-000 IS AN UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN CIC HEARING INSTRUMENTS. THIS MODEL HAS TIGHTER SENSITIVITY LIMITS THAN STANDARD FK MODELS.

NO DAMPING

FK-26837-000
SHEET 2.13



ACOUSTICAL

SENSITIVITY
DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS DESCRIBED IN TABLE 3.
NOMINAL SENSITIVITY AT 1kHz IS dB RELATIVE TO 20μPa. ALL OTHER VALUES
IN dB RELATIVE TO THE SENSITIVITY AT 1kHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+0.5	+2.5	+4.5
500	-0.5	+1.5	+3.5
1000	-1.0	95.0	+1.0
2450 - 3250	+5.5	+7.5	+9.5
6000	-12.0	-8.0	-4.0

TABLE 1

TOTAL HARMONIC DISTORTION
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	LIMIT (%)
920	0.35	0	5
1380	0.35	0	5
920	0.99	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.35 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	10mm [.394"] LONG, 1mm [.039"] I.D.
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

ELECTRICAL

DC RESISTANCE	360 Ohms ± 10%
IMPEDANCE @ 500 Hz	432 Ohms ± 15%
IMPEDANCE @ 1kHz	590 Ohms ±15%

TABLE 4

ISOLATION: CASE WILL BE ELECTRICALLY ISOLATED FROM THE COIL CIRCUIT.

PORT LOCATION: 12N

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	G
G	C10110537	11-30-09		
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 MMM	DATE 6-17-05
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CK. BY GJP	DATE 6-24-05
			APP. BY	DATE
			GJP	6-24-05
			FK-26837-000 SHT 2.1	

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