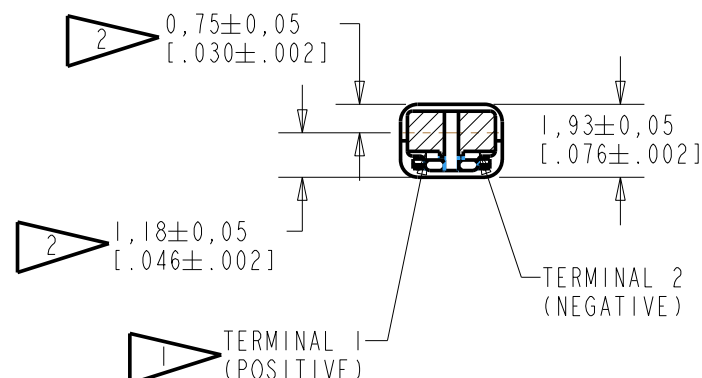
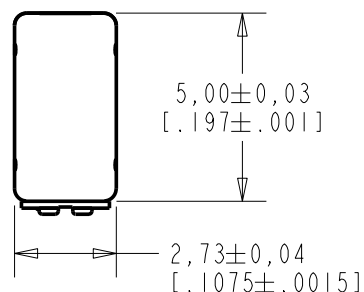


WBFK-60375-000

SHT 1.1

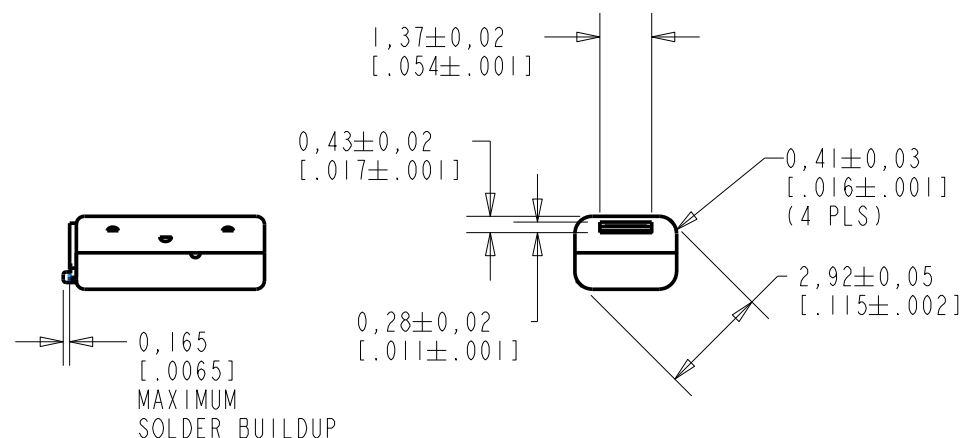
NOTES:

- 1 A POSITIVE GOING VOLTAGE AT TERMINAL 1, RELATIVE TO TERMINAL 2, 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]



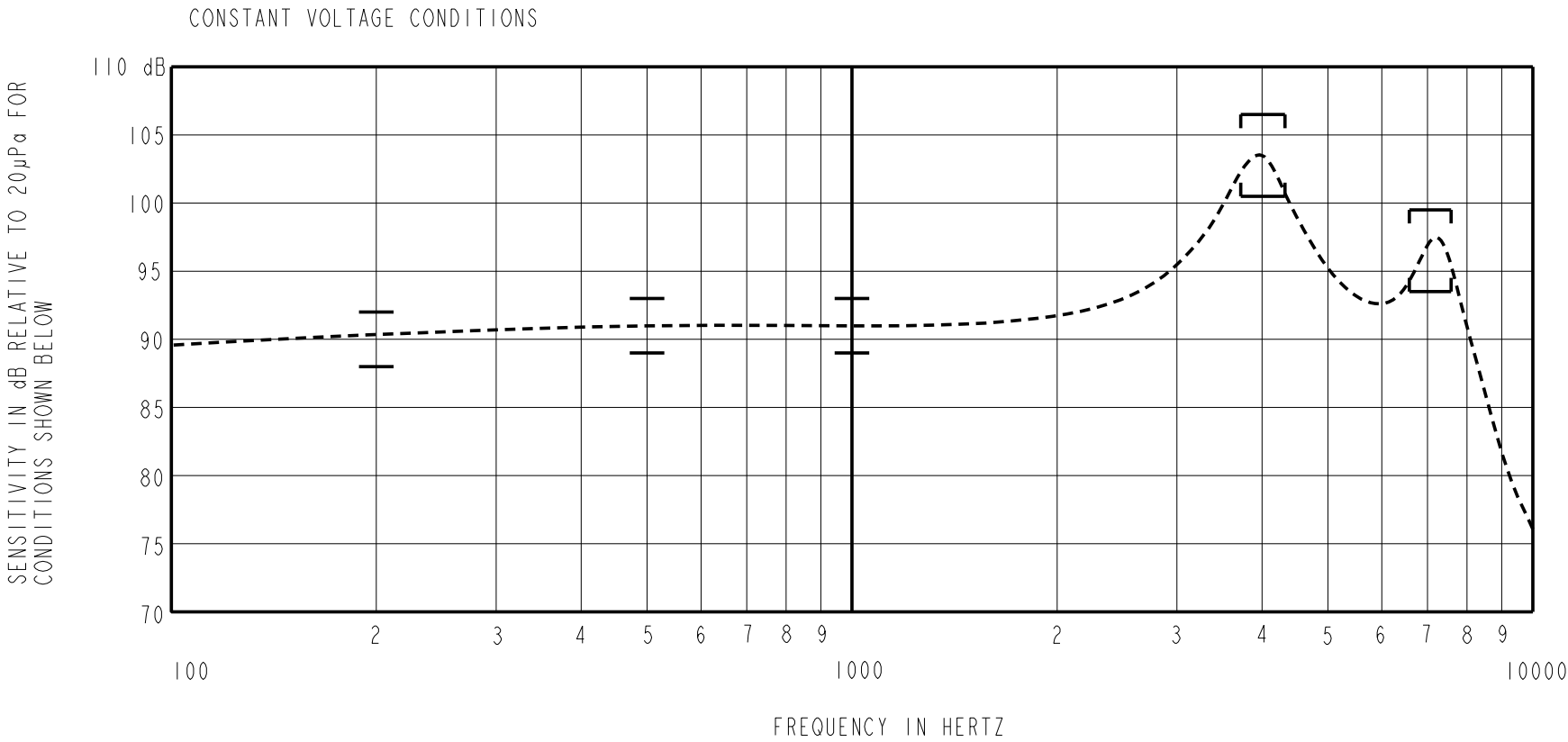
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	CI0108428	3-25-09		
SCALE: 5:1			DR. BY DATE	
DO NOT SCALE DRAWING			LSY 3-25-09	
TITLE: RECEIVER OUTLINE DRAWING			CK. BY DATE	
			GJP 3-26-09	
			APP. BY DATE	
WBFK-60375-000 SHT 1.1			GJP 3-26-09	

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

AN UNDAMPED AND TUBELESS MAGNETIC BALANCED ARMATURE RECEIVER WITH REVERSED POLARITY INTENDED FOR USE AS THE HIGH FREQUENCY DRIVER IN A HIFI SYSTEM.
NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.

NO DAMPING

WBFK-60375-000
SHEET 2.1



ACOUSTICAL

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3.0	-1.0	+1.0
500	-2.0	0.0	+2.0
1000	-2.0	91.0	+2.0
3750-4350	+9.5	+12.5	+15.5
6600-7600	+3.5	+6.5	+9.5

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 (%)
1280	0.266	0	5
1920	0.266	0	5
1920	0.749	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.266 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 126)

TABLE 3

ELECTRICAL

DC RESISTANCE	100 Ohms ± 10%*
IMPEDANCE @ 500 Hz	106 Ohms ± 15%*
IMPEDANCE @ 1kHz	114 Ohms ± 15%*

TABLE 4

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

MECHANICAL

PORT LOCATION: 12N
SOLDER TYPE: SAC305
TEMPERATURE
OPERATING: SENSITIVITY WILL NOT VARY MORE THAN +1 / -3 dB FROM -17°C TO 63°C.
STORAGE: -40°C TO 63°C.

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C10108428	3-25-09		
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 LSY	DATE 3-25-09
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CK. BY	DATE
			GJP	3-26-09
			APP. BY GJP	DATE 3-26-09
			WBFK-60375-000 SHT 2.1	