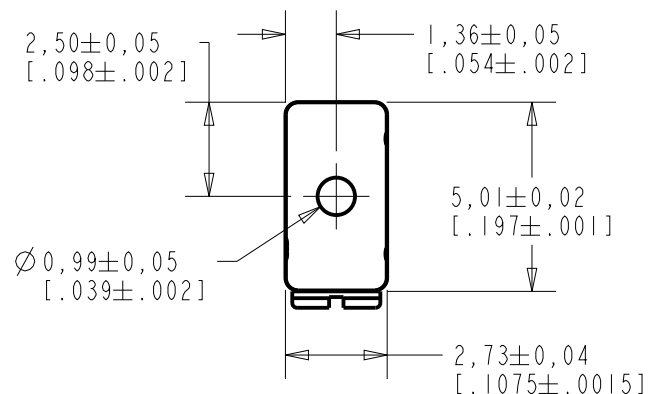


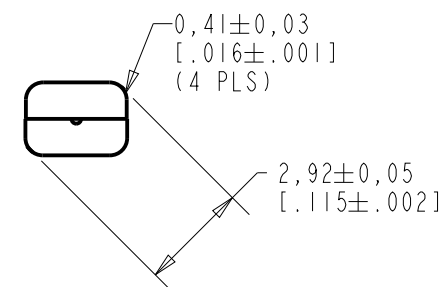
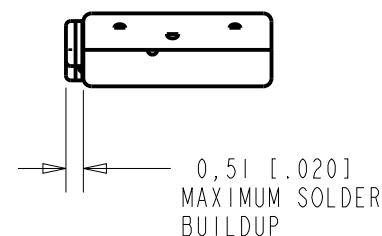
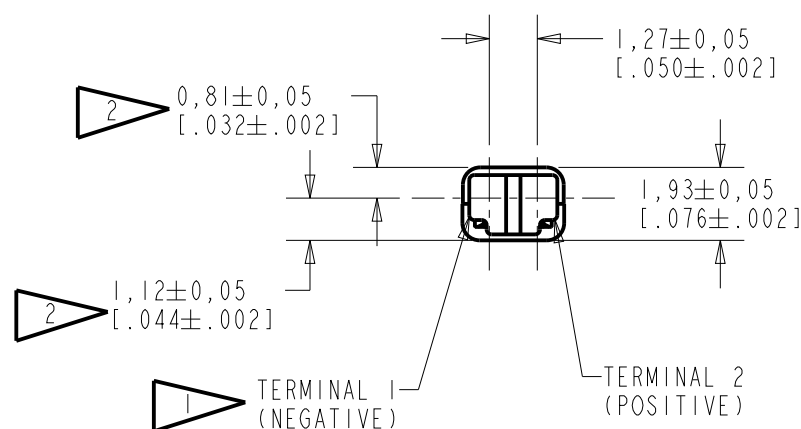
WBFK-33649-000

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
.09 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

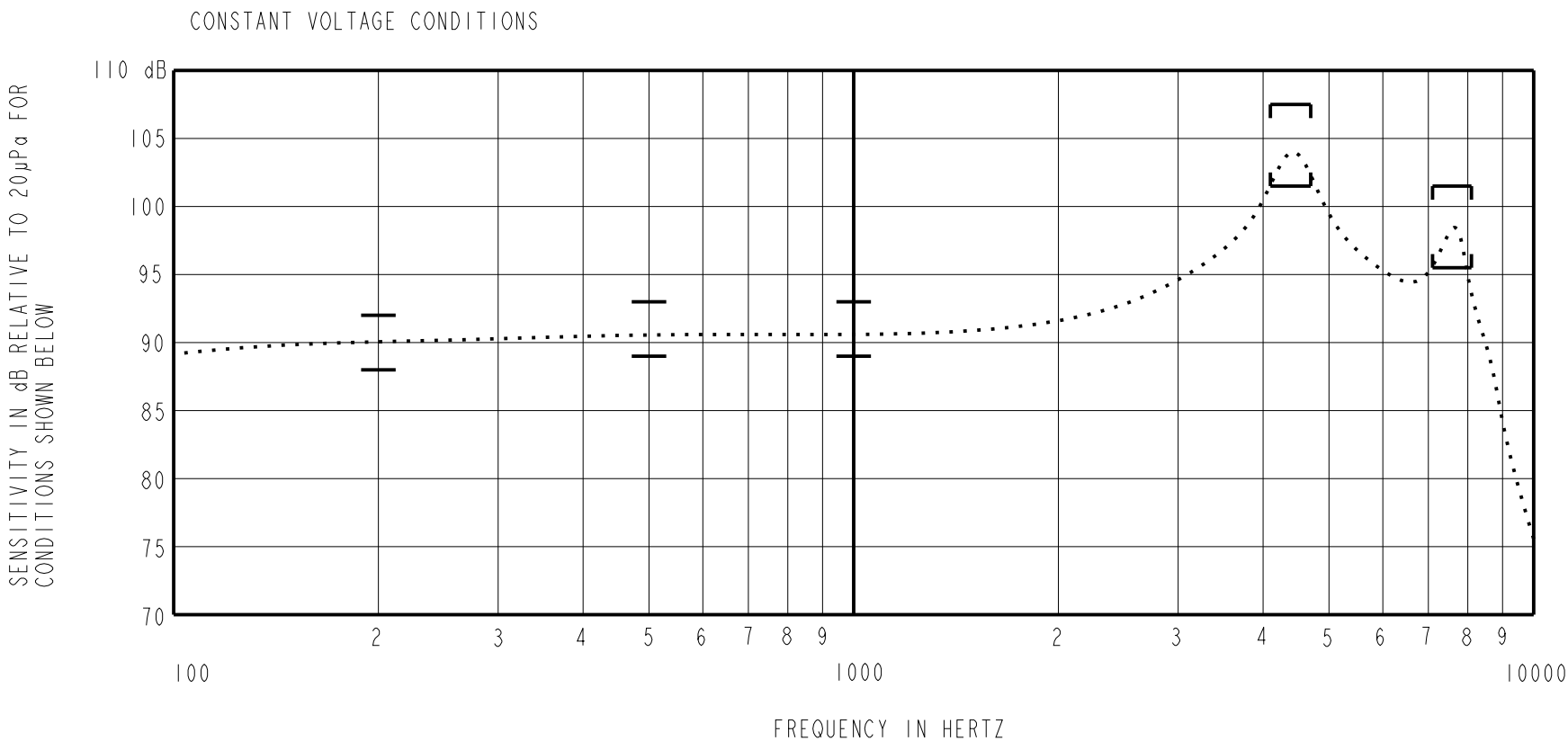
KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	PI0002635	10-18-18		
SCALE: 5:1			DR. BY	DATE
DO NOT SCALE DRAWING			FDS	10-18-18
TITLE: RECEIVER OUTLINE DRAWING			CK. BY	DATE
			GJP	10-22-18
			APP. BY	DATE
			GJP	10-22-18
WBFK-33649-000				
SHT 1.1				

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

NO DAMPING

WBFK-33649-000
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
3700-4300	+10.0	+13.0	+16.0
6600-7600	+3.0	+6.0	+9.0

TABLE 1

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

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
1280	.094	0	5
1920	.094	0	5
1920	.265	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.094 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	12.5 Ohms ± 10%*
IMPEDANCE @ 500 Hz	14.5 Ohms ± 15%*
IMPEDANCE @ 1kHz	15.2 Ohms ± 15%*

TABLE 4

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

MECHANICAL

PORT LOCATION: 0JN
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.

KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	PI0002635	10-18-18		
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
			FDS	10-18-18
			CK. BY	DATE
			GJP	10-22-18
TITLE: RECEIVER PERFORMANCE SPECIFICATION			APP. BY	DATE
			GJP	10-22-18
			WBFK-33649-000 SHT 2.1	