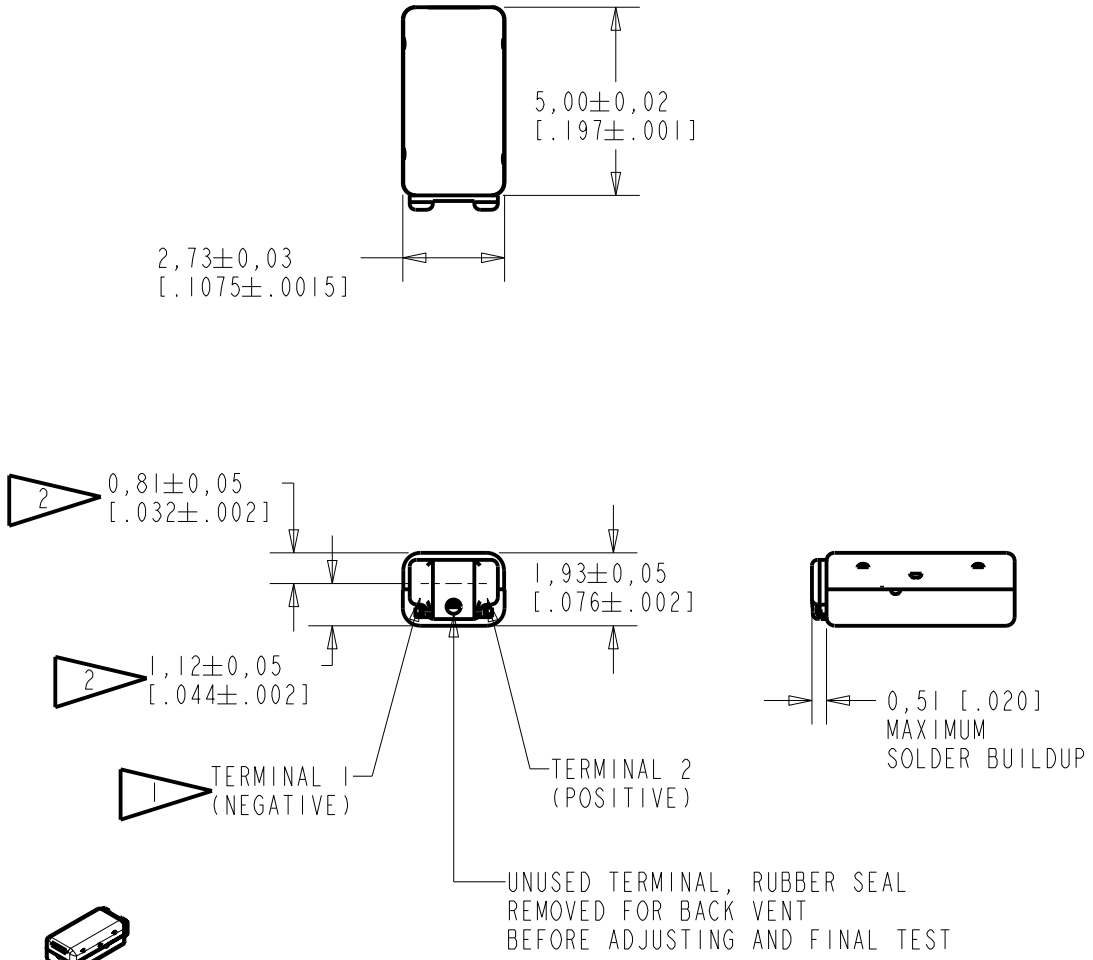
FK-32628-000
SHT 1.1

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.11 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	P10000077	8-27-15		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 5:1

DO NOT SCALE DRAWING

TITLE: RECEIVER
OUTLINE DRAWING

FK-32628-000
SHT 1.1

DR. BY	DATE
SSUN	8-27-15
CK. BY	DATE
GJP	8-28-15
APP. BY	DATE
GJP	8-28-15

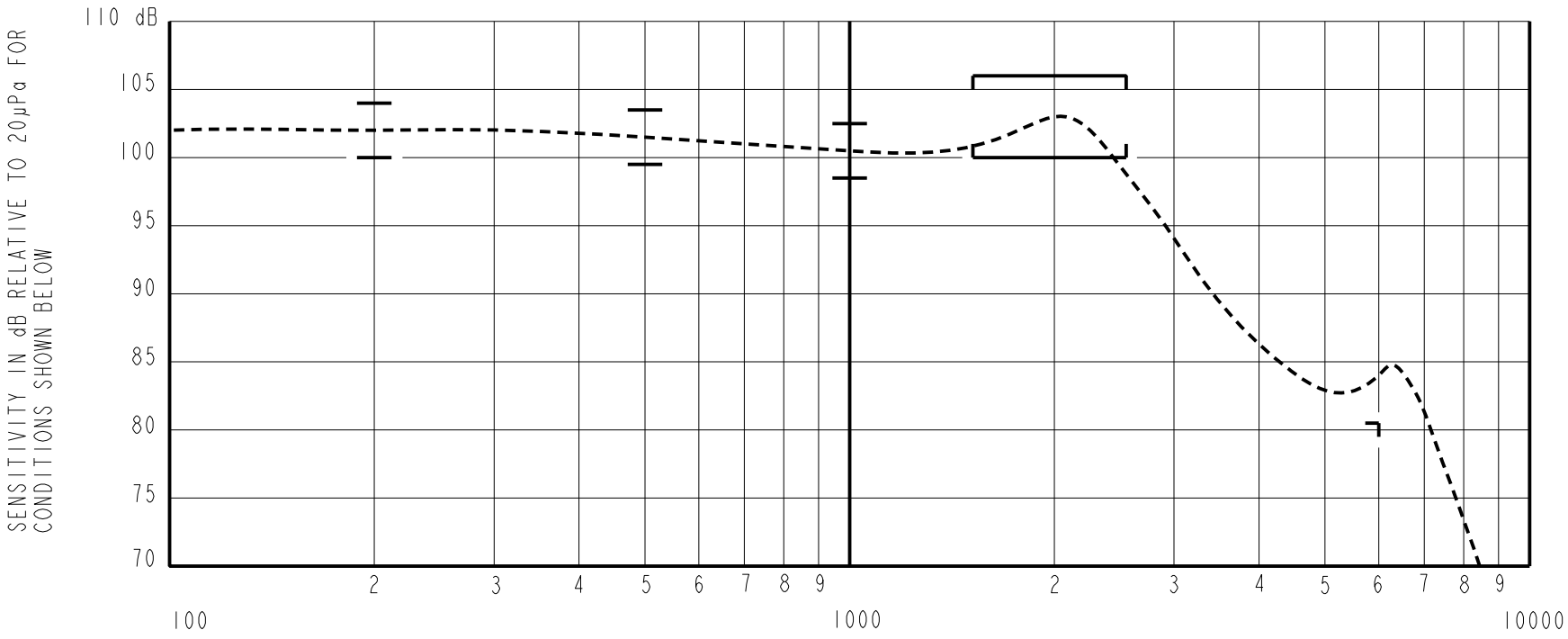
NO DAMPING

FK-32628-000
SHEET 2.1

AN UNDAMPED AND TUBELESS MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN CIC HEARING INSTRUMENTS OR AS THE LOW FREQUENCY DRIVER IN A HIFI SYSTEM. EXTERNAL BACK VENT IS PROVIDED ON THE CENTER PAD OF TERMINAL.

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.

CONSTANT VOLTAGE DRIVE CONDITIONS (WITH BACK VENT OPEN)



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	+1.5	+3.5
500	-1.0	+1.0	+3.0
1000	-2.0	100.5	+2.0
1600-2600	-0.5	+2.5	+5.5
6000	-20.0	---	---

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 (%)*
1/3 PEAK1 (TYP. 696)	.085	0	5
1/2 PEAK1 (TYP. 1045)	.085	0	5
1/3 PEAK1 (TYP. 696)	.240	0	10
1/2 PEAK1 (TYP. 1045)	.240	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.085 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	25.0 Ohms ± 10%
IMPEDANCE @ 500 Hz	32.0 Ohms ± 15%
IMPEDANCE @ 1kHz	38.5 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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	P10000077	8-27-15		

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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

FK-32628-000
SHT 2.1

DR. BY	DATE
SSUN	8-27-15
CK. BY	DATE
GJP	8-28-15
APP. BY	DATE
GJP	8-28-15