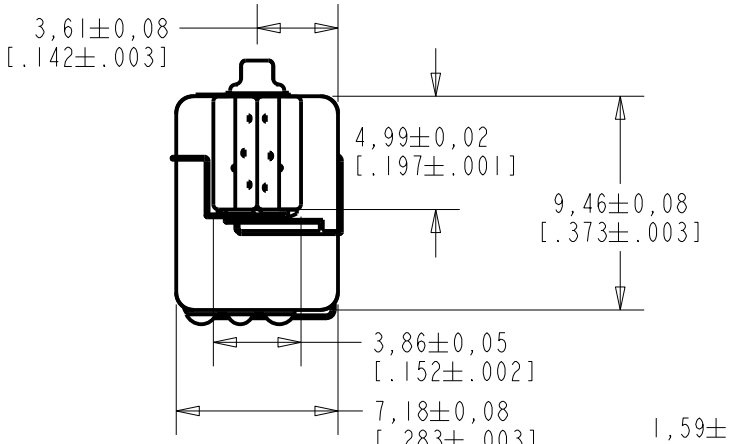
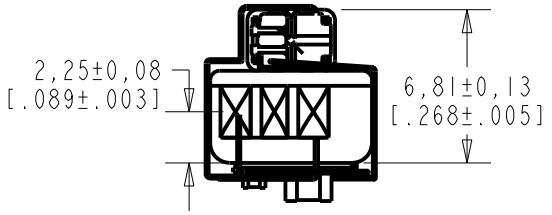
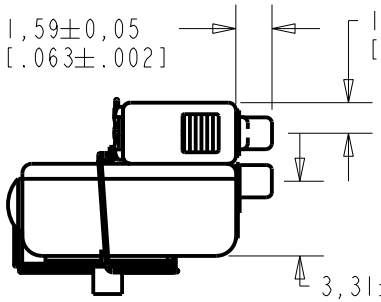
CK-31732-000
SHT 1.1

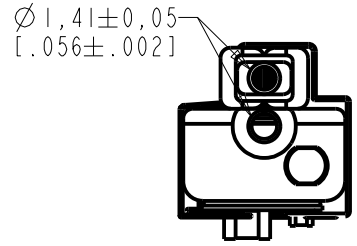


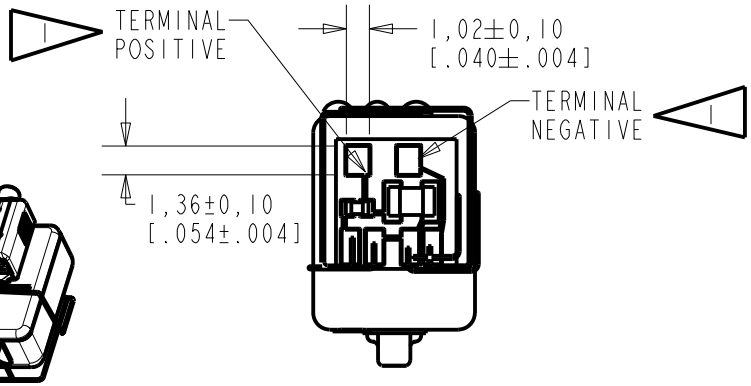
NOTES:

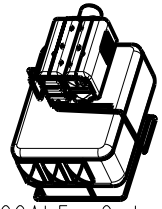
1. A POSITIVE GOING VOLTAGE AT THE POSITIVE TERMINAL RELATIVE TO THE NEGATIVE TERMINAL CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLETS.











SCALE 2:1
NOMINAL WEIGHT
1.26 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C40101062	8-2-12		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

SCALE: 3:1

DO NOT SCALE DRAWING

TITLE: RECEIVER
OUTLINE DRAWING

CK-31732-000
SHT 1.1

DR. BY	DATE
LW	8-2-12
CK. BY	DATE
GJP	8-23-12
APP. BY	DATE
GJP	8-23-12

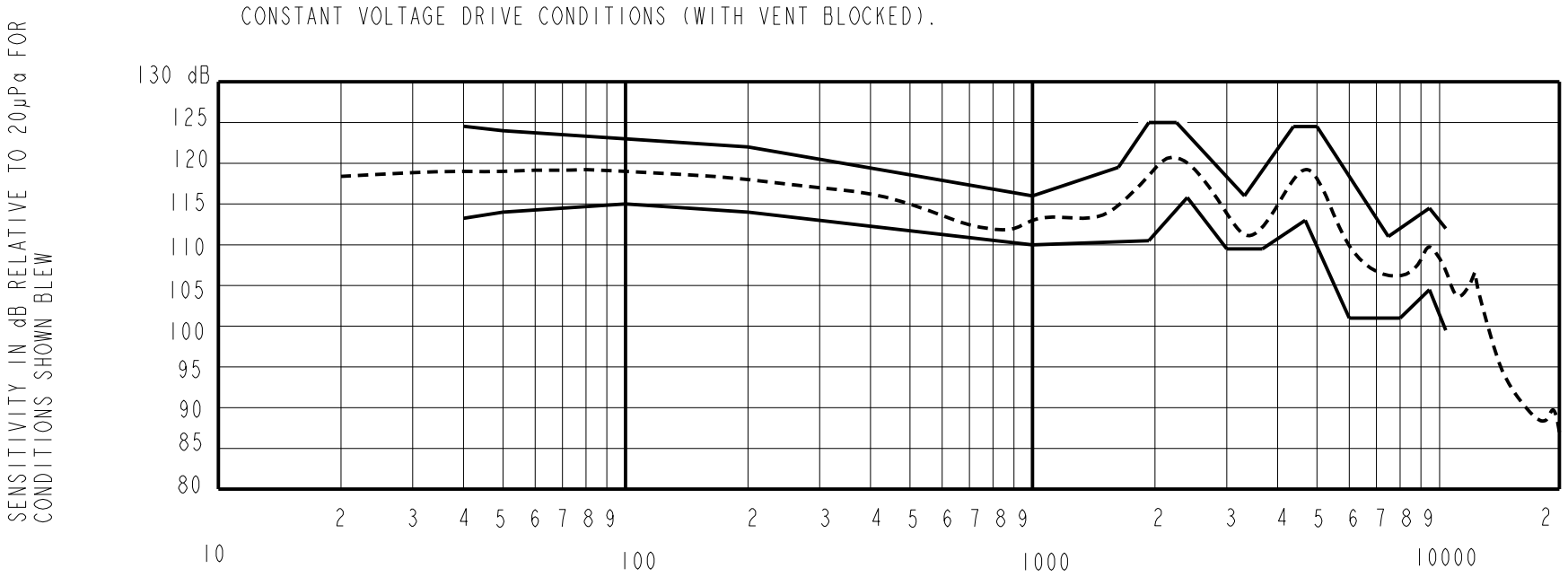
KEITIASIZE.FRM Rev: B

UNDAMPED MAGNETIC BALANCED RECEIVERS INTENDED FOR USE AS THE HIGH AND LOW FREQUENCY DRIVERS IN A HI-FI SYSTEM. THE GK RECEIVER COMBINES A TWFK AND CI RECEIVERS, COUPLED THROUGH A CIRCUIT TO PROVIDE THE RESPONSE SHAPE.

NO DAMPING

CK-31732-000
SHEET 2.1

CONSTANT VOLTAGE DRIVE CONDITIONS (WITH VENT BLOCKED).



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*
50	+1.0	+6.0	+11.0
100	+2.0	+6.0	+10.0
200	+1.0	+5.0	+9.0
1000	-3.0	113.0	+3.0
1700	---	---	+6.5
1950	-2.5	+5.5	+12.0
2300	+2.8	---	---
2450	---	---	+12.0
3000	-5.5	---	---
3350	---	---	+3.0
3700	-5.5	---	---
4400	---	---	+11.5
4700	+0.0	---	---
5000	---	---	+11.5
6000	-12.0	---	---
7500	---	---	-2.0
8000	-12.0	---	---
9750	-8.5	---	+1.5
10500	-13.5	---	-1.0

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 (%)*
20-8000	0.13	0	4

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.13 V rms, 0mA DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	TUBELESS
COUPLER CAVITY	IEC 60318-4

TABLE 3

ELECTRICAL

DC RESISTANCE	24.1 Ohms ± 10%
IMPEDANCE @ 500 Hz	23.0 Ohms ± 20%
IMPEDANCE @ 1kHz	12.0 Ohms ± 20%

TABLE 4

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

MECHANICAL

PORT LOCATION: 12S
SOLDER TYPE: SAC305 (LEAD FREE)

TEMPERATURE:
OPERATING: SENSITIVITY AT 1kHz WILL NOT VARY BY MORE THAN +1/-3 dB FROM 0°C TO 63°C
STORAGE: -40°C TO 63°C

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C40101062	8-2-12		

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

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
LW	8-2-12
CK. BY	DATE
GJP	8-23-12
APP. BY	DATE
GJP	8-23-12

TITLE: RECEIVER
PERFORMANCE SPECIFICATION

CK-31732-000
SHT 2.1