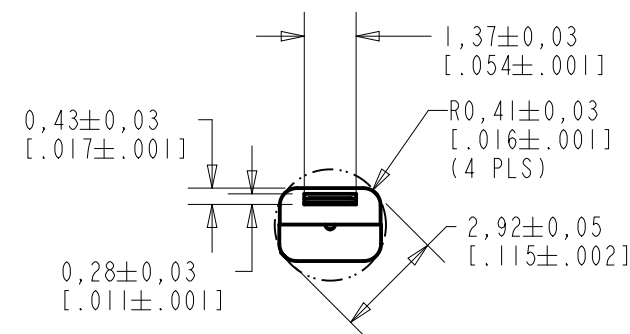
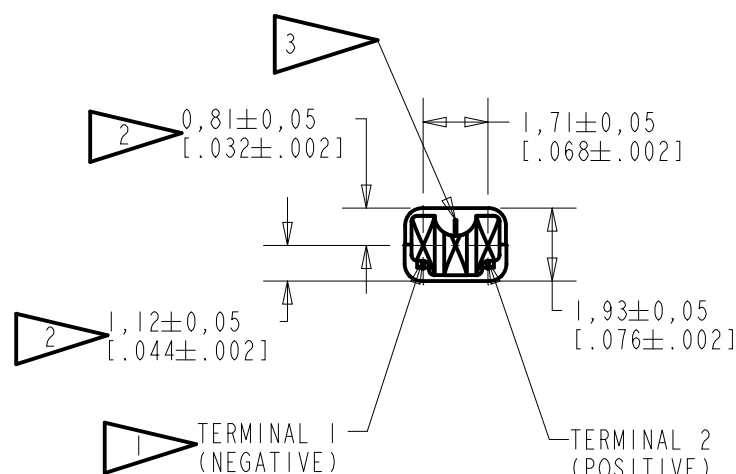
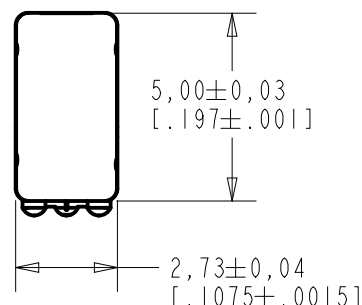


FK-33399-000

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.
- 3 CENTER TERMINAL ELECTRICALLY CONNECTED TO CASE.



SCALE 2:1

NOMINAL WEIGHT
.11 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	PI0001949	1-5-18	Active	C
B	PI0001766	10-25-17		
A	PI0001398	5-23-17		

SCALE: 5:1

DO NOT SCALE DRAWING

TITLE: RECEIVER

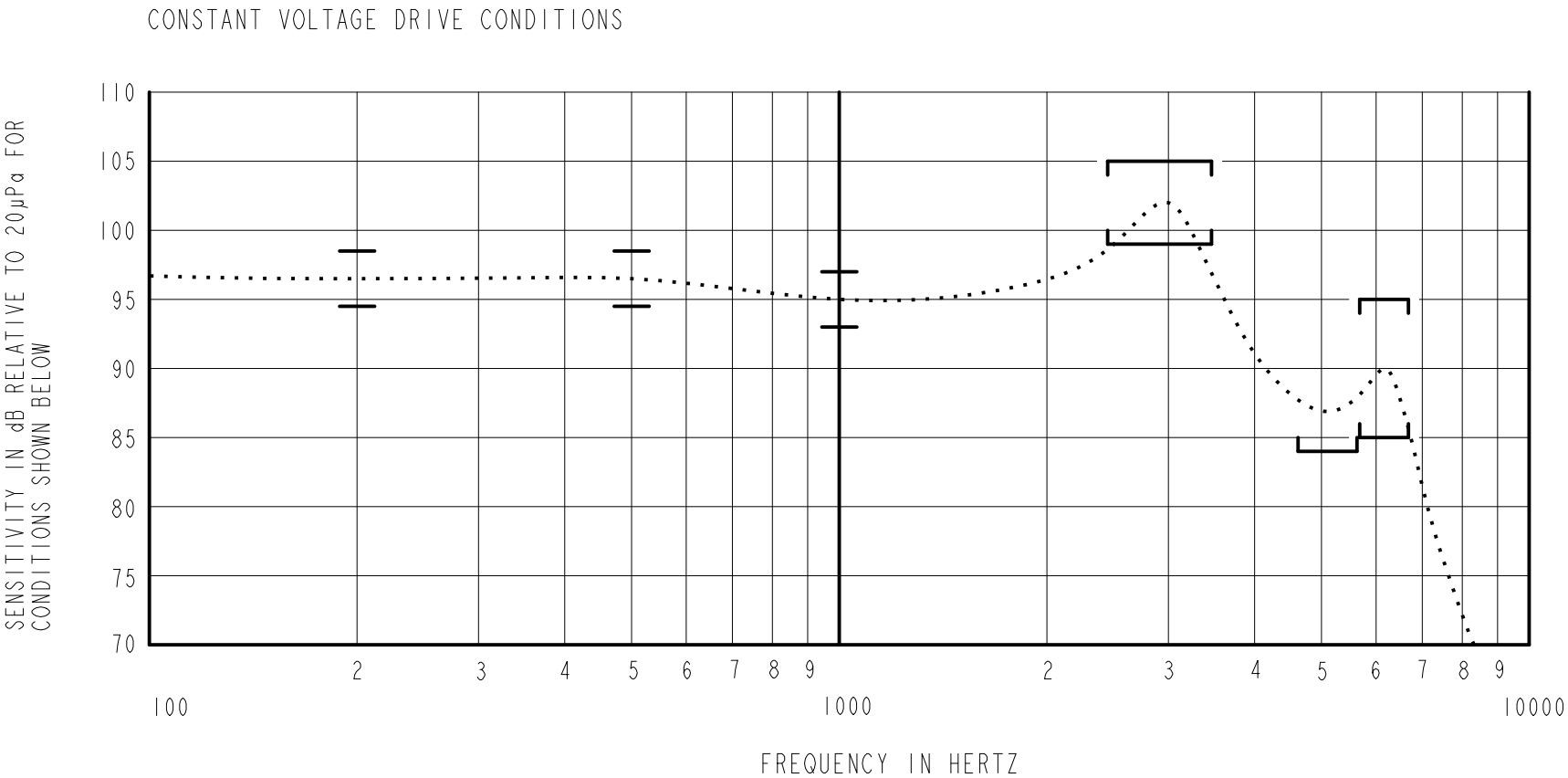
OUTLINE DRAWING

FK-33399-000

SHT 1.1

DR. BY	DATE
NANC	5-23-17
CK. BY	DATE
GJP	5-23-17
APP. BY	DATE
GJP	5-23-17

KNOWLES CORPORATION



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	+4.5
500	-0.5	+1.5	+3.5
1000	-2.0	95.0	+2.0
2500 - 3500	+4.0	+7.0	+10.0
4650 - 5650	-11.0	---	---
5700 - 6700	-10.0	-5.0	0.0

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	0.241	0	5
1380	0.241	0	5
920	0.679	0	10
500	0.4	0	5
800	0.4	0	5
1600	0.25	0	5

TABLE 2

PORT LOCATION: 12N

HIGH FREQUENCY AVERAGE
DEVICE WILL PRODUCE THE AVERAGE OR 1000Hz,
1600Hz AND 2500Hz SENSITIVITIES

AC DRIVE LEVEL (V rm)	NOMINAL (dB)
0.15	90.8
0.85	106.5

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.241 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	200 Ohms ± 10%
IMPEDANCE @ 500 Hz	234 Ohms ± 15%
IMPEDANCE @ 1kHz	313 Ohms ± 15%

TABLE 4

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
C	PI0001949	1-5-18	Active	C
B	PI0001766	10-25-17		
A	PI0001398	5-23-17		
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
			NANC	5-23-17
			CK. BY	DATE
			GJP	5-23-17
TITLE: RECEIVER			FK-33399-000	
PERFORMANCE SPECIFICATION			SHT 2.1	
			APP. BY	DATE
			GJP	5-23-17