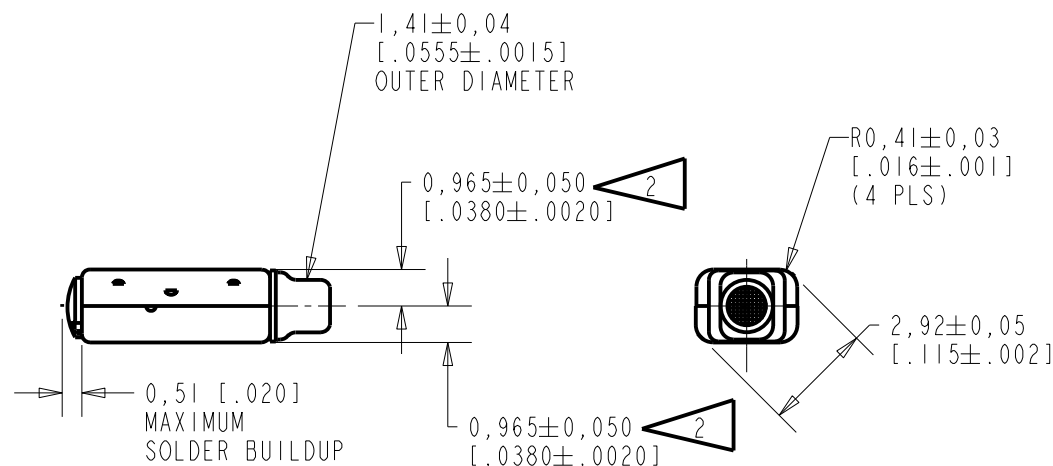
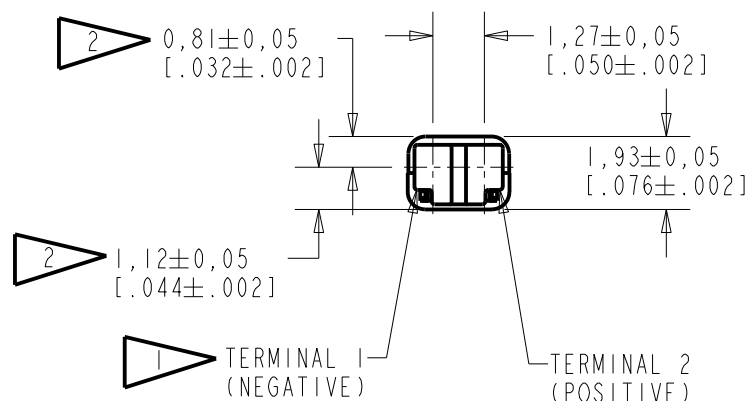
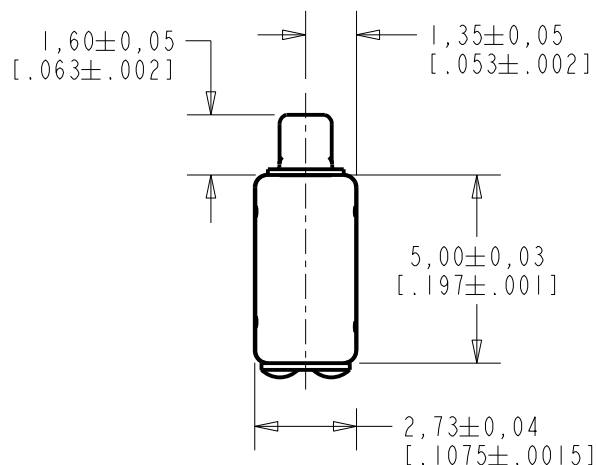


FK-26816-000

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.



NOMINAL
WEIGHT .11 GRAMS
SCALE 2:1
DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C10114032	11-7-12	Active	F
E	C10112307	4-20-11		
D	C10111598	8-17-10		

SCALE: 5:1

DO NOT SCALE DRAWING

TITLE: RECEIVER

OUTLINE DRAWING

FK-26816-000

SHT 1.1

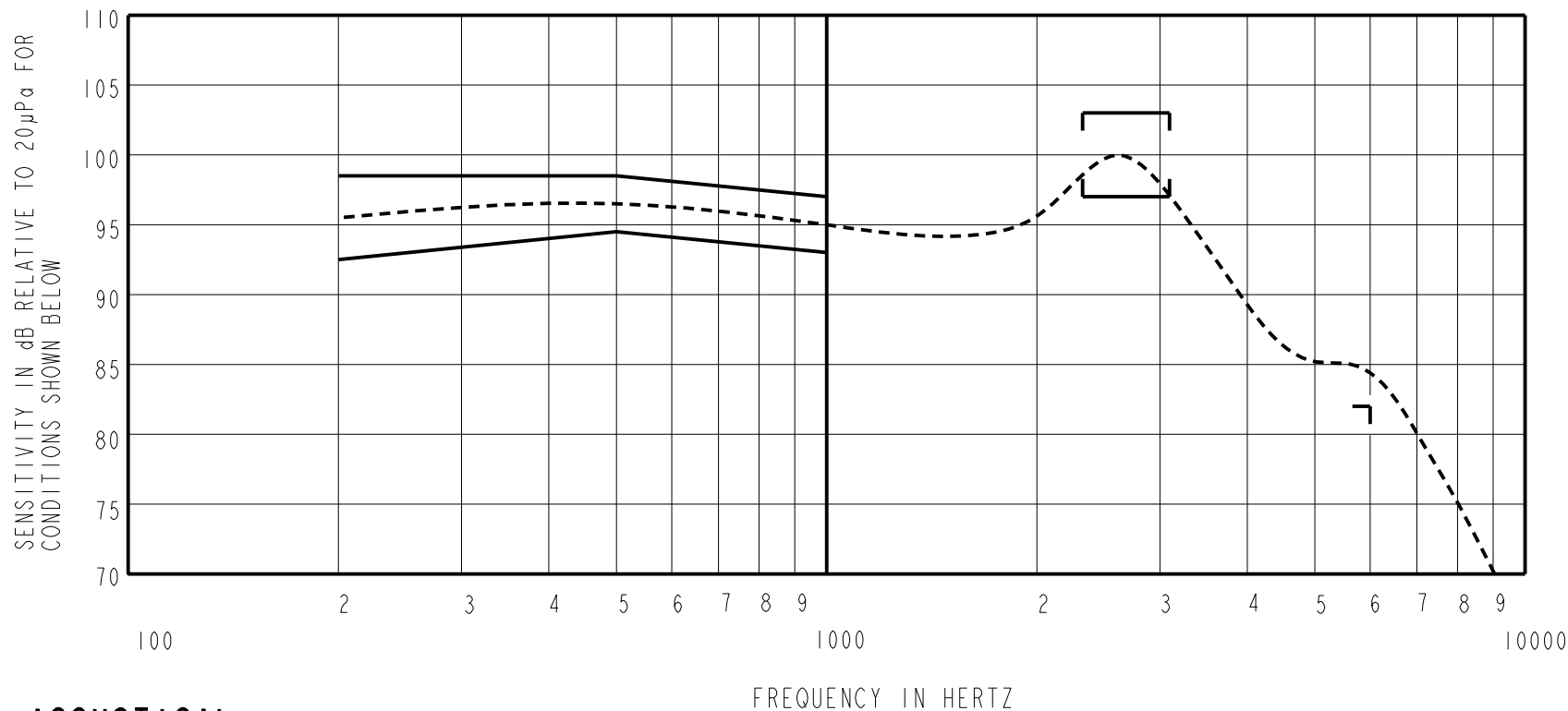
DR. BY	DATE
MMM	9-6-05
CK. BY	DATE
GJP	9-12-05
APP. BY	DATE
GJP	9-12-05

THIS IS A TYPE III DAMPED MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN CIC HEARING INSTRUMENTS.

TYPE III DAMPING

FK-26816-000
SHEET 2.1

CONSTANT VOLTAGE DRIVE CONDITIONS



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	-2.5	+0.5	+3.5
500	-0.5	+1.5	+3.5
1000	-2.0	95.0	+2.0
2250 - 3250	+2.0	+5.0	+8.0
6000	-13.0	---	---

PORT LOCATION: 12S

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 (%)
920	0.12	0	5
1380	0.12	0	5
920	0.34	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.12 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	57 Ohm ± 10%
IMPEDANCE @ 500 Hz	76 Ohm ± 15%
IMPEDANCE @ 1kHz	109 Ohm ± 15%

TABLE 4

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

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F	C10114032	11-7-12	Active	F
E	C10112307	4-20-11		
D	C10111598	8-17-10		
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 MMM	DATE 9-6-05
TITLE: RECEIVER			CK. BY GJP	DATE 9-12-05
PERFORMANCE SPECIFICATION			FK-26816-000 SHT 2.1	APP. BY GJP DATE 9-12-05

Mouser Electronics

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