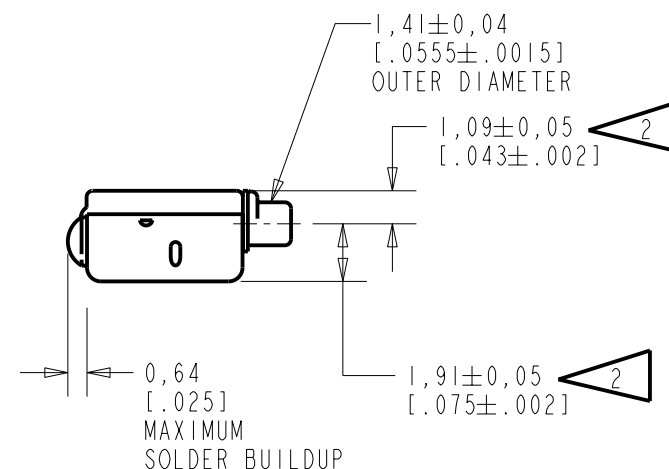
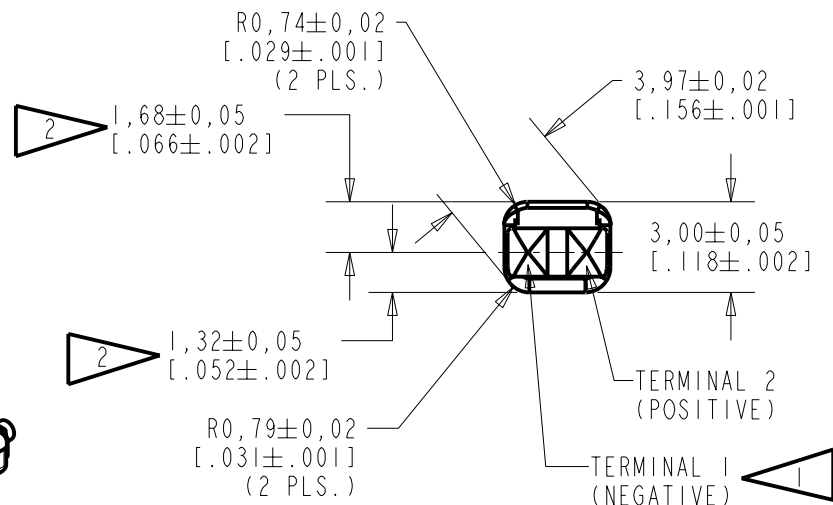
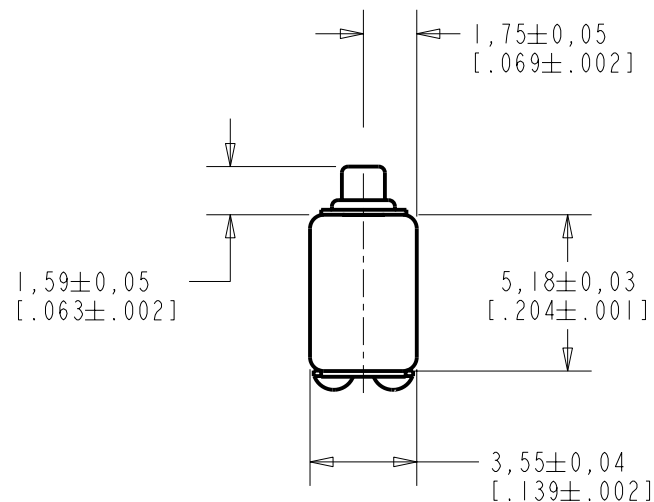


FC-26887-000

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
.23 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	C10103822	2-9-06		

SCALE: 4:1		DR. BY	DATE
		AB	2-9-06
DO NOT SCALE DRAWING		CK. BY	DATE
		GJP	2-12-06
		APP. BY	DATE
		GJP	2-12-06

TITLE: RECEIVER	FC-26887-000
OUTLINE DRAWING	SHT 1.1

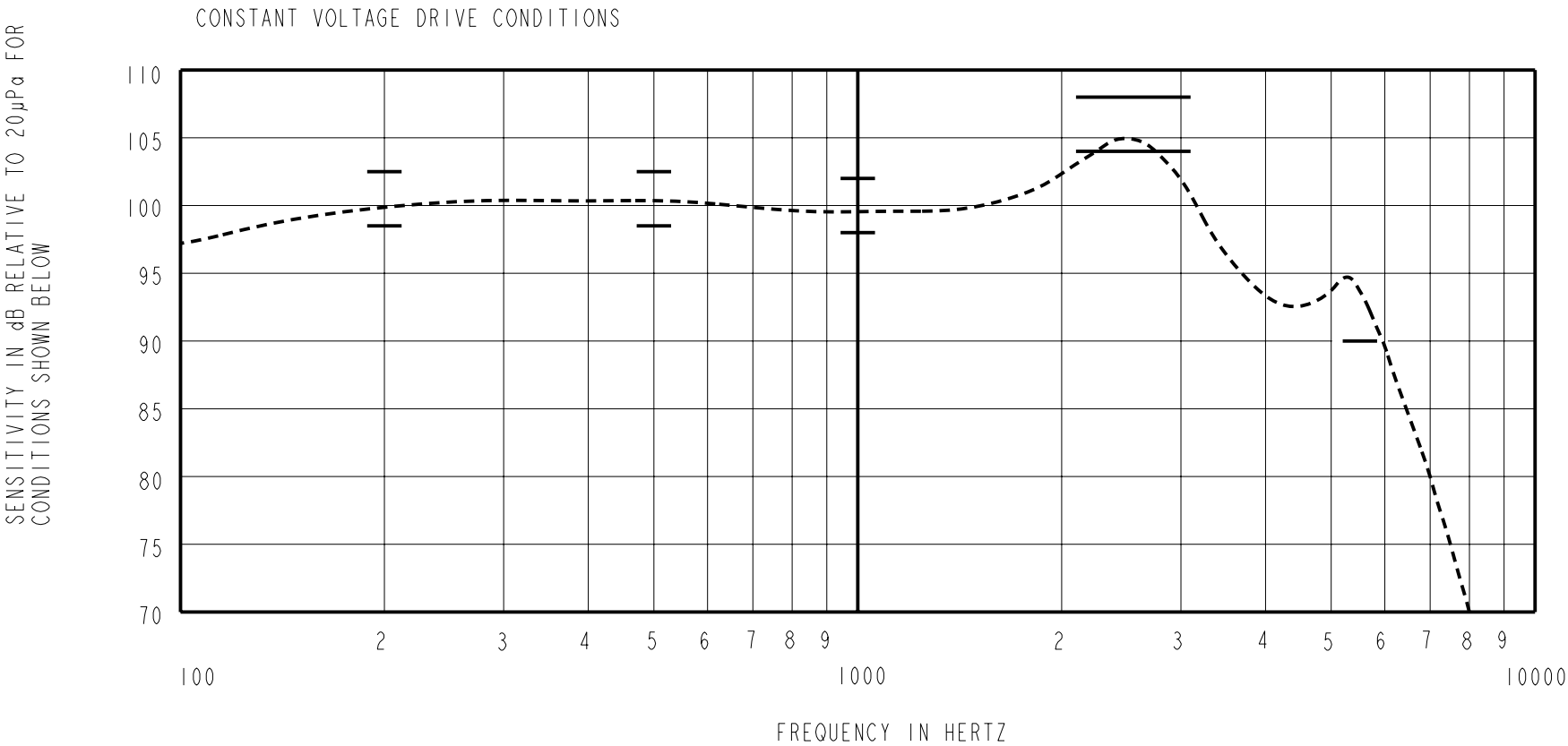
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Rev: B

THE FC-26887-000 IS A TYPE III DAMPED MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN ITC AND CIC HEARING INSTRUMENTS.

TYPE III DAMPING

FC-26887-000
SHEET 2.1



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	-1.5	+0.5	+2.5
500	-1.5	+0.5	+2.5
1000	-2.0	100.0	+2.0
2100 - 3100	+4.0	+6.0	+8.0
5200	-10.0	---	---

PORT LOCATION: 12C

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 (%)
500	0.732	0	10
870	0.366	0	5
1300	0.366	0	5

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.366 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 126)

TABLE 3

ELECTRICAL

DC RESISTANCE	354 Ohms ± 10%
IMPEDANCE @ 500 Hz	425 Ohms ± 15%
IMPEDANCE @ 1kHz	550 Ohms ±15%

TABLE 4

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Released	A
A	C10103822	2-9-06		
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 AB	DATE 2-9-06
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CK. BY GJP	DATE 2-12-06
			APP. BY	DATE
			GJP	2-12-06
			FC-26887-000 SHT 2.1	

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