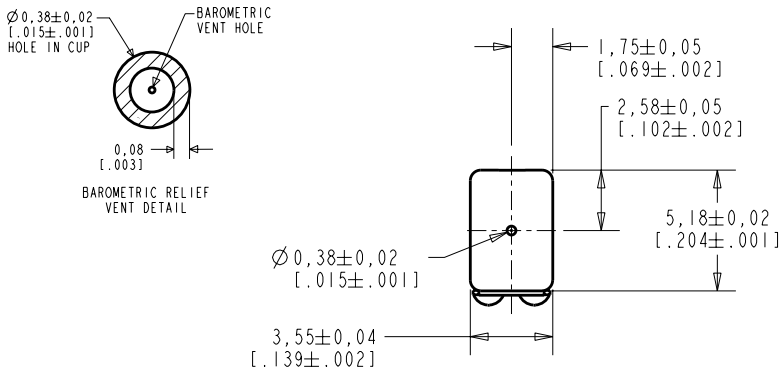
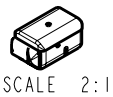
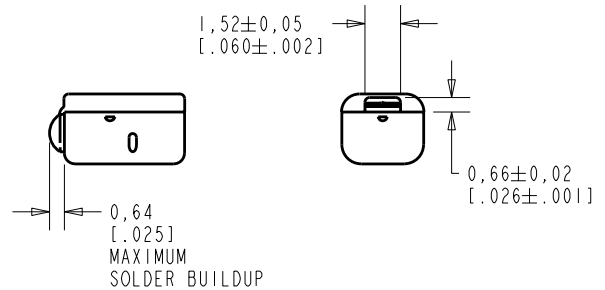
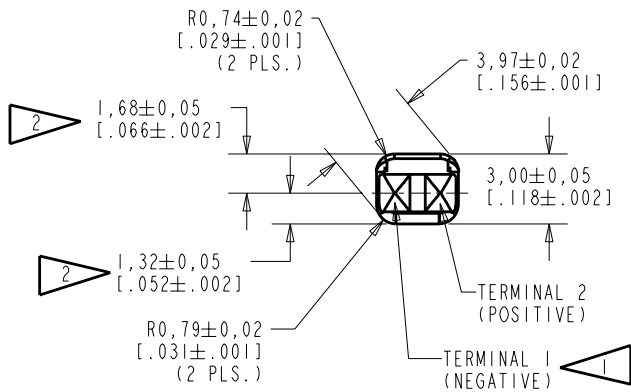


FC-30010-000
SHT 1.1



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 .23 GRAMS DIMENSIONS IN MILLIMETERS [INCHES]

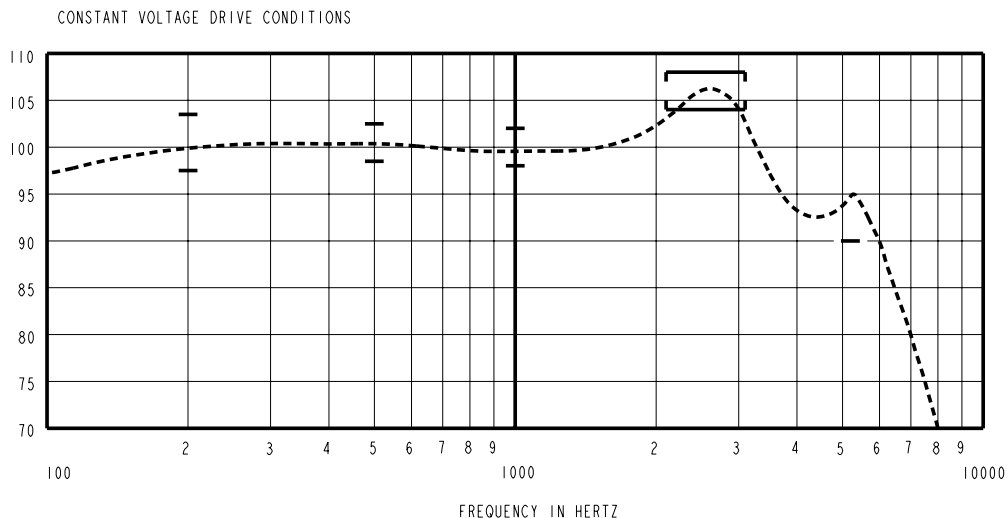
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C10104507	7-11-06	Released	B
A	C10104223	5-5-06		
SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING			CRG	4-7-06
TITLE: RECEIVER			FC-30010-000	CK. BY
OUTLINE DRAWING			SHT 1.1	GJP
			APP. BY	DATE
			GJP	5-9-06

RE111ASIZE.FRM Rev: B

THE FC-30010-000 IS AN EXTERNALLY VENTED FC-26171-000 RECEIVER WITHOUT SOUND TUBE.

SENSITIVITY IN dB RELATIVE TO 20µPa FOR CONDITIONS SHOWN BELOW



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	-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: 12N

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	0.461	0	10
870	0.231	0	5
1300	0.231	0	5

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.231 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	135 Ohms ± 10%
IMPEDANCE @ 500 Hz	170 Ohms ± 15%
IMPEDANCE @ 1kHz	230 Ohms ± 15%

TABLE 4

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

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
B	C10104507	7-11-06	Released	B
A	C10104223	5-5-06		
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	DATE
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CRG	4-7-06
			CK. BY	DATE
			GJP	5-9-06
			APP. BY	DATE
FC-30010-000			GJP	5-9-06
SHT 2.1				

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