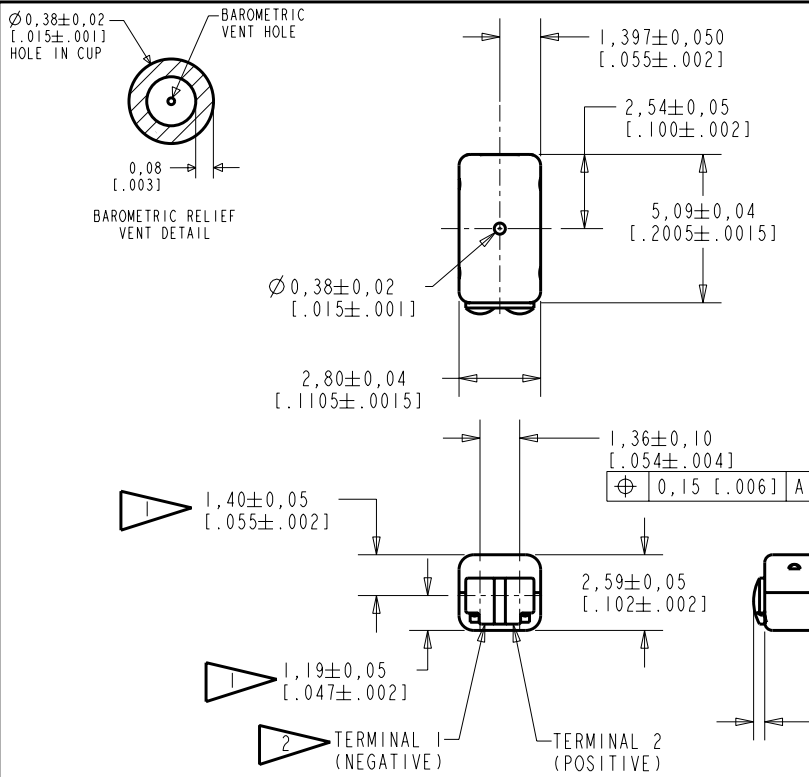


FH-30015-000
SHT 1.1



NOTES:

1 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [0.007].

2 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.



SCALE 2:1

NOMINAL WEIGHT
.18 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

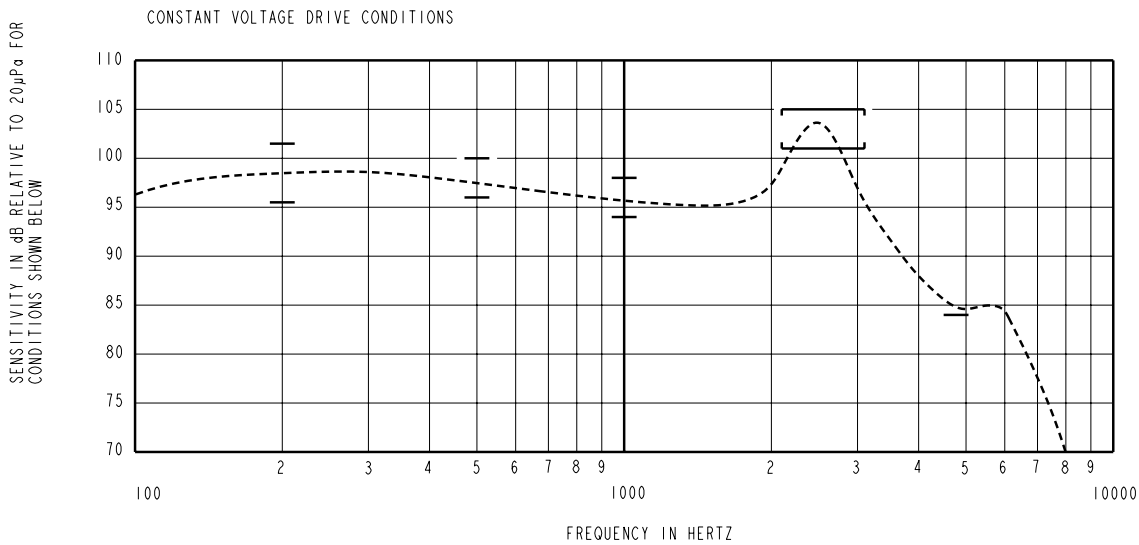
KNOWLES ELECTRONICS
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
B	C10104597	8-2-06	Released	B
A	C10104229	5-12-06		

SCALE:	5:1	DR. BY	DATE
DO NOT SCALE DRAWING			
TITLE:	RECEIVER	FH-30015-000	GJP 5-16-06
	OUTLINE DRAWING	SHT 1.1	APP. BY DATE
			GJP 5-16-06

KE111ASTZE.FRM Rev: B

THE FH-30015-000 IS AN EXTERNALLY VENTED FH-6553-000 RECEIVER WITHOUT SOUND TUBE.



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	+2.5	+5.5
500	0.0	+2.0	+4.0
1000	-2.0	96.0	+2.0
2100 - 3100	+5.0	+7.0	+9.0
4500	-12.0	---	---

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	0.352	0	10
870	0.125	0	5
1300	0.125	0	5

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.125 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	58 Ohms ± 10%
IMPEDANCE @ 500 Hz	90 Ohms ± 15%
IMPEDANCE @ 1kHz	130 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
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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 5-12-06
TITLE: RECEIVER	APP. BY GJP	DATE 5-16-06
PERFORMANCE SPECIFICATION	DATE GJP	DATE 5-16-06

FH-30015-000
 SHT 2.1