

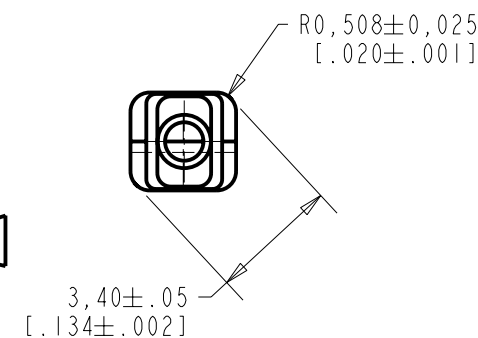
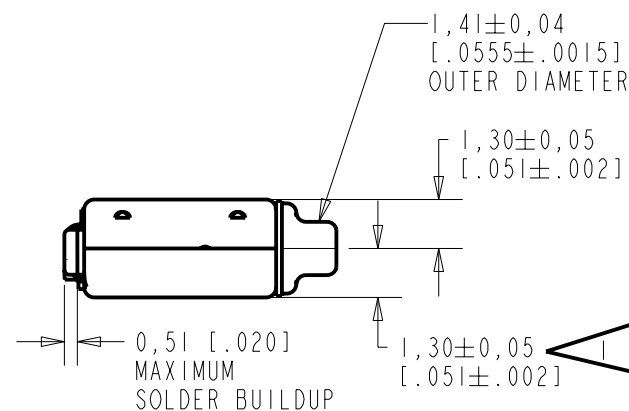
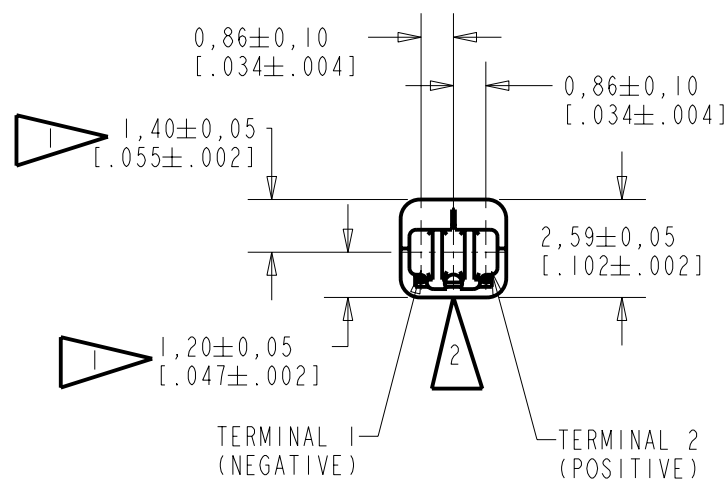
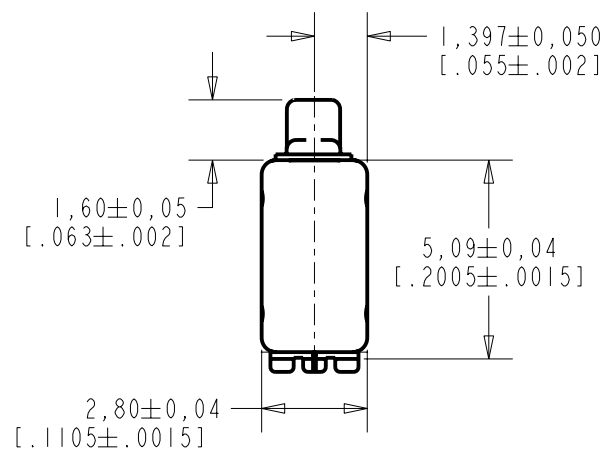
FH-26745-000

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 $\pm 0,007$ [.003].

2 TERMINAL ELECTRICALLY CONNECTED TO CASE.



NOMINAL WEIGHT
.18 GRAMS DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	CI0106252	7-31-07	Released	F
E	CI0105698	4-11-07		
D	CI0104920P	10-13-06		

SCALE: 5:1

DO NOT SCALE DRAWING

TITLE: RECEIVER

OUTLINE DRAWING

FH-26745-000

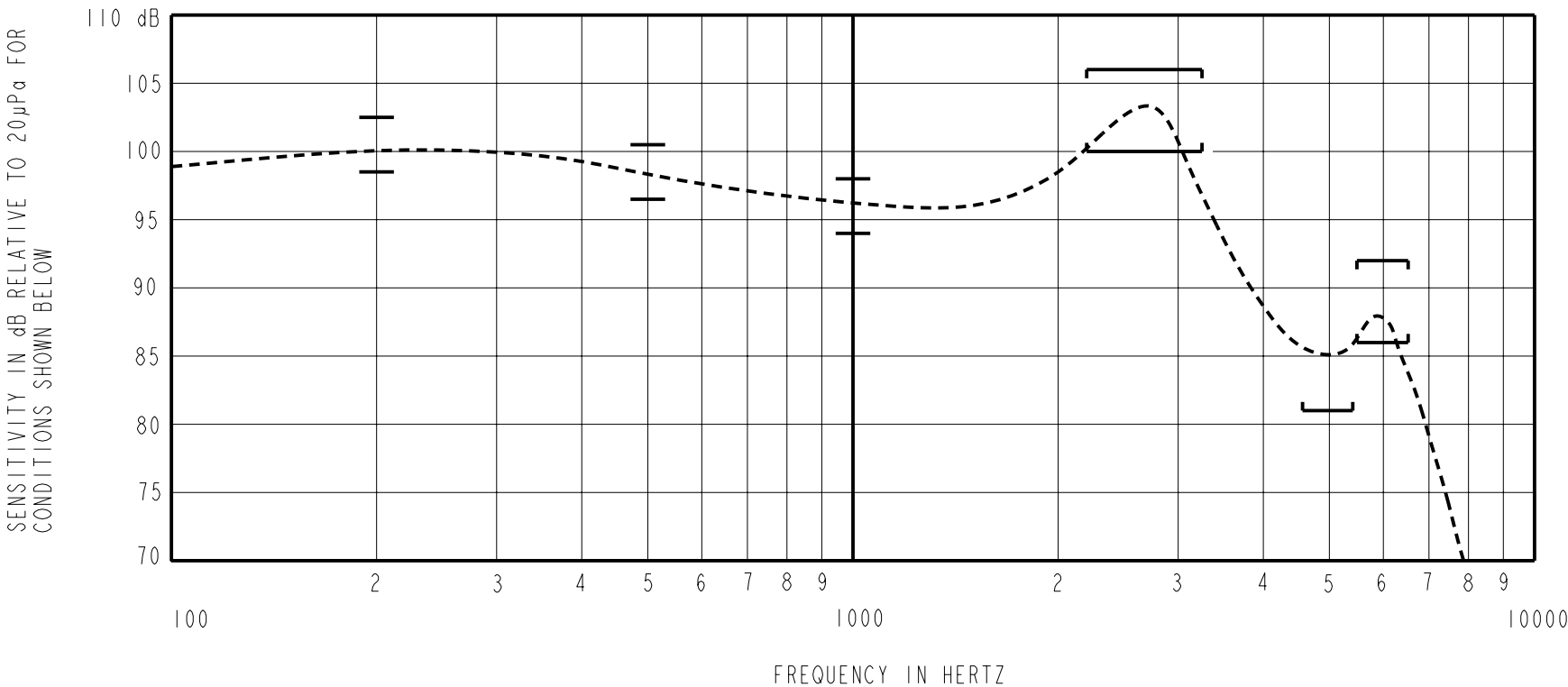
SHT 1.1

DR. BY	DATE
MMM	9-15-05
CK. BY	DATE
GJP	9-20-05
APP. BY	DATE
GJP	9-20-05

THE FH-26745-000 IS AN UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVER WITH CASE GROUND CONNECTION INTENDED FOR USE IN HEARING INSTRUMENTS.
CONSTANT VOLTAGE DRIVE CONDITIONS

NO DAMPING

FH-26745-000
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	+2.5	+4.5	+6.5
500	+0.5	+2.5	+4.5
1000	-2.0	96.0	+2.0
2300 - 3300	+4.0	+7.0	+10.0
4600 - 5400	-15.0	---	---
5500 - 6500	-10.0	-7.0	-4.0

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 (%)
500	0.35	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	60 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.

PORT LOCATION: 12S

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
F	C10106252	7-31-07	Released	F
E	C10105698	4-11-07		
D	C10104920P	10-13-06		
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 MMM	DATE 9-15-05
TITLE: RECEIVER			CK. BY GJP	DATE 9-20-05
PERFORMANCE SPECIFICATION			APP. BY GJP	DATE 9-20-05
FH-26745-000			SHT 2.1	