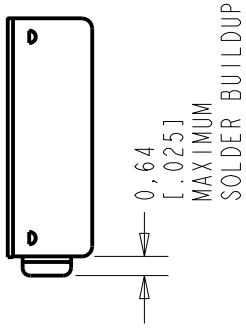
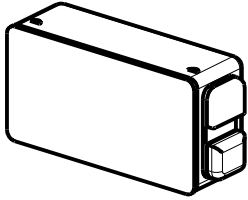
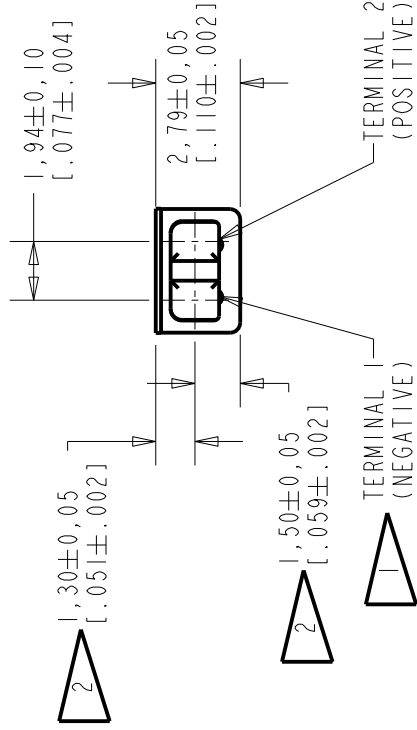
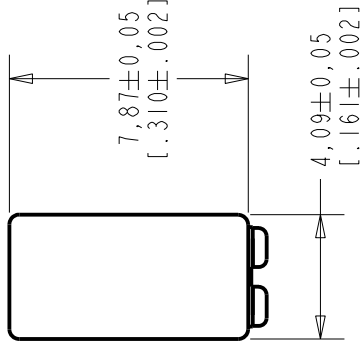




**THE DATASHEET OF  
HODTEC-31515-000**





NOTES:



1 A POSITIVE GOING V  
RELATIVE TO TERMIN  
IN PRESSURE AT THE



2 LOCATED FROM TWO S  
CONVENIENCE. ONLY  
SURFACE, NOT TO BE  
HORIZONTAL LOCATIO  
TO ±0,17 [0.007].

2,08±  
[0.082]  
1,02±  
[0.040]

0,28±  
[0.011]

NOMINAL WEIGHT  
.35 GRAM

DIMENSIONS IN MILLIMETERS [INCHES]

**KNOWLES ELECTRONICS**  
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	Rev
E	C10116424	11-28-14	A
D	C10107030	1-30-08	

SCALE:  
4:1

DO NOT SCALE DRAWING

RECEIVER

TEC-300

OUTLINE DRAWING

SHT

# KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

## RECEIVER

TEC-30006-000

SHT 2.1

PERFORMANCE SPECIFICATION

DR. BY	DATE	7-05-06
SDZ	DATE	7-20-06
CK. BY	DATE	7-20-06
GJP	DATE	7-20-06
APP. BY	DATE	7-20-06
GJP	DATE	7-20-06

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
D	C10107030	1-30-08	Active	E
E	C10116424	11-28-14		

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

### TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.154 V rms, TO DELIVER 0.35 mVA AT 500 HZ
SOURCE IMPEDANCE	> 1 Ohm
TUBING	8mm X 1mm ID + 28mm X 1.5mm ID EAR HOOK SIMULATOR + 25mm X 2mm ID TUBE + 18mm X 3mm ID TUBE
COUPLER CAVITY	2 cm <sup>3</sup> , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
382	0.154	0	5
573	0.154	0	5
573	0.308	0	10

TABLE 2

TOTAL HARMONIC DISTORTION  
DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3.0	0.0	+3.0
500	-1.0	+107.0	+1.0
975-1315	+9.0	+12.0	+15.0
1465-1980	+0.5	+3.5	+6.5
1815-2455	+4.5	+7.5	+10.5
2575-3145	-4.5	-1.5	+1.5
3035-3710	+1.5	+4.5	+7.5
3745-4575	-10.0	-7.0	-4.0
4250-5190	-5.0	-2.0	+1.0
5412	-10.5	---	---
5310-6490	-8.0	-5.0	-2.0

TABLE 1

TEMPERATURE  
OPERATING: SENSITIVITY WILL NOT VARY MORE THAN  
+1/-3 DB FROM -17°C TO 63°C  
STORAGE: -40°C TO 63°C

SOLDER TYPE: SAC305

PORT LOCATION: 12N

MECHANICAL

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

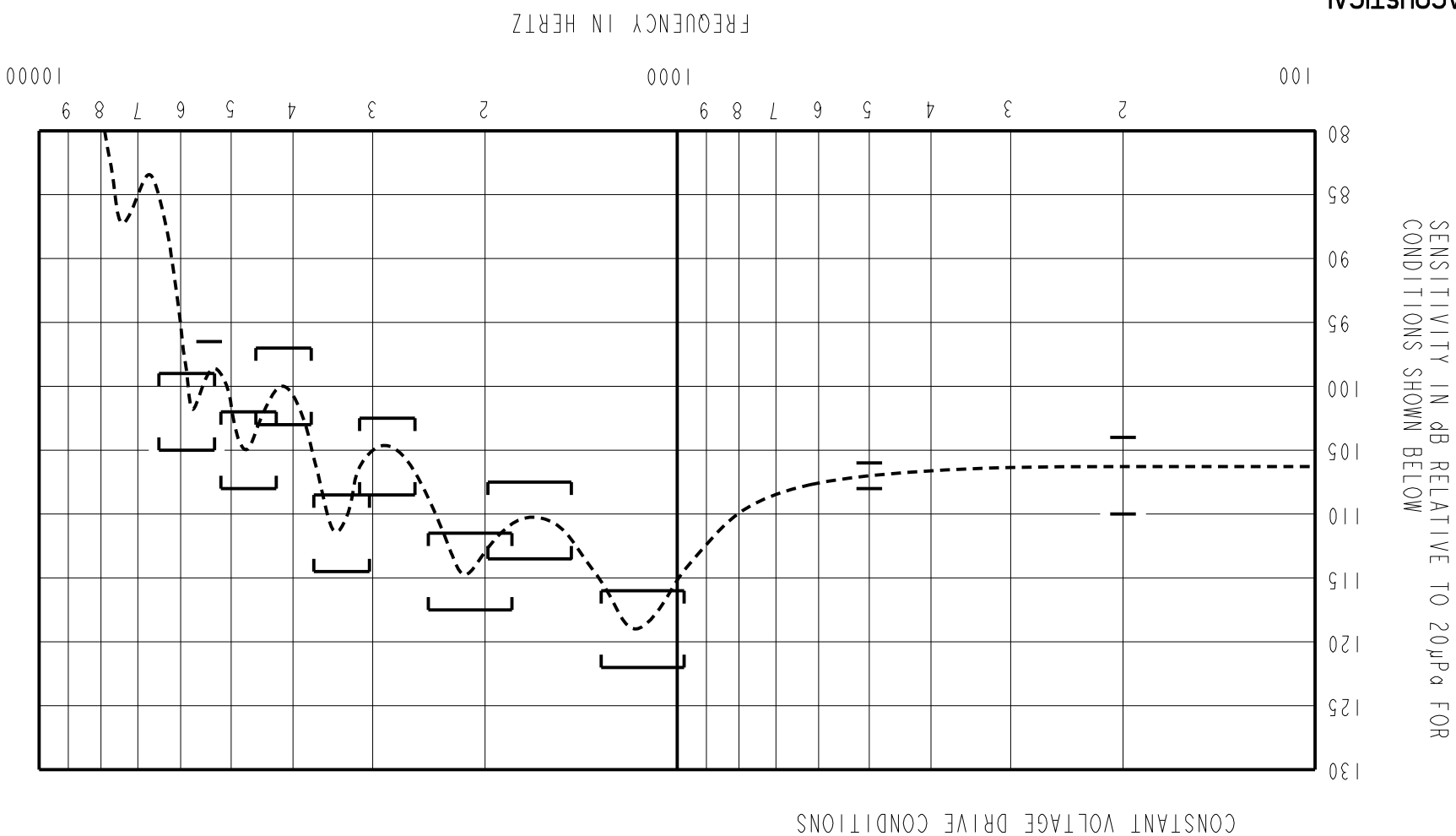
TABLE 4

DC RESISTANCE	46 OHMS ± 10%
IMPEDANCE @ 500 HZ	62 OHMS ± 15%
INDUCTANCE @ 500 HZ	10.2 mH ± 15%
CAPACITANCE @ 10 MHz	9.0 pF ± 20%

### ELECTRICAL

### ACOUSTICAL

SENSITIVITY  
DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS  
DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 1000 HZ IS DB RELATIVE  
TO 20µPa. ALL OTHER VALUES IN DB RELATIVE TO THE SENSITIVITY AT 500 HZ.



CONSTANT VOLTAGE DRIVE CONDITIONS

THIS UNIT IS A BALANCED ARMATURE RECEIVER INTENDED FOR USE IN  
BTE HEARING AIDS, AND IS 1/2 THE SIZE OF AN EF RECEIVER.

NO DAMPING

TEC-30006-000  
SHEET 2.1

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-  Cost Control Management
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-  Alternative Solution
-  Excess Inventory Management