

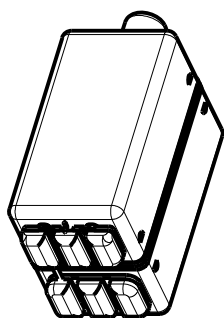
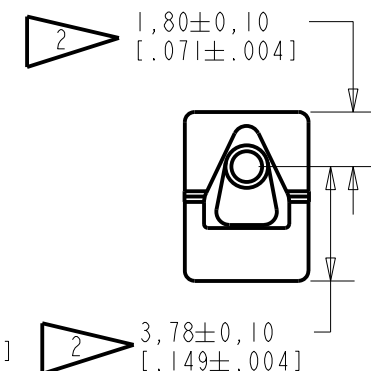
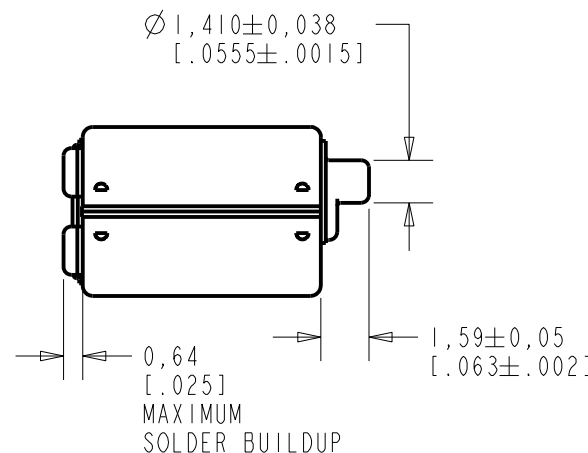
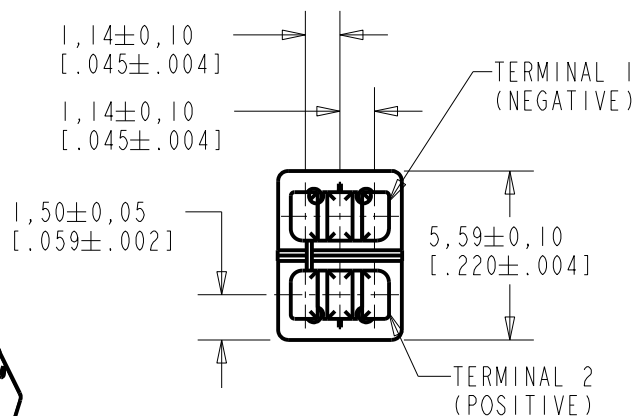
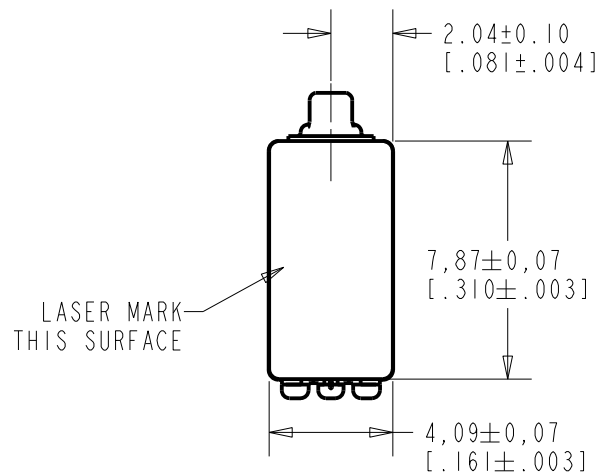
DTEC-31116-000

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. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [.007].



RED CONTROLLED

NOMINAL WEIGHT
.71 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C10111188	4-6-10		
SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING			SDZ	4-6-10
TITLE: RECEIVER OUTLINE DRAWING			CK. BY	DATE
			GJP	4-6-10
			APP. BY	DATE
			GJP	4-6-10
			DTEC-31116-000	
			SHT 1.1	

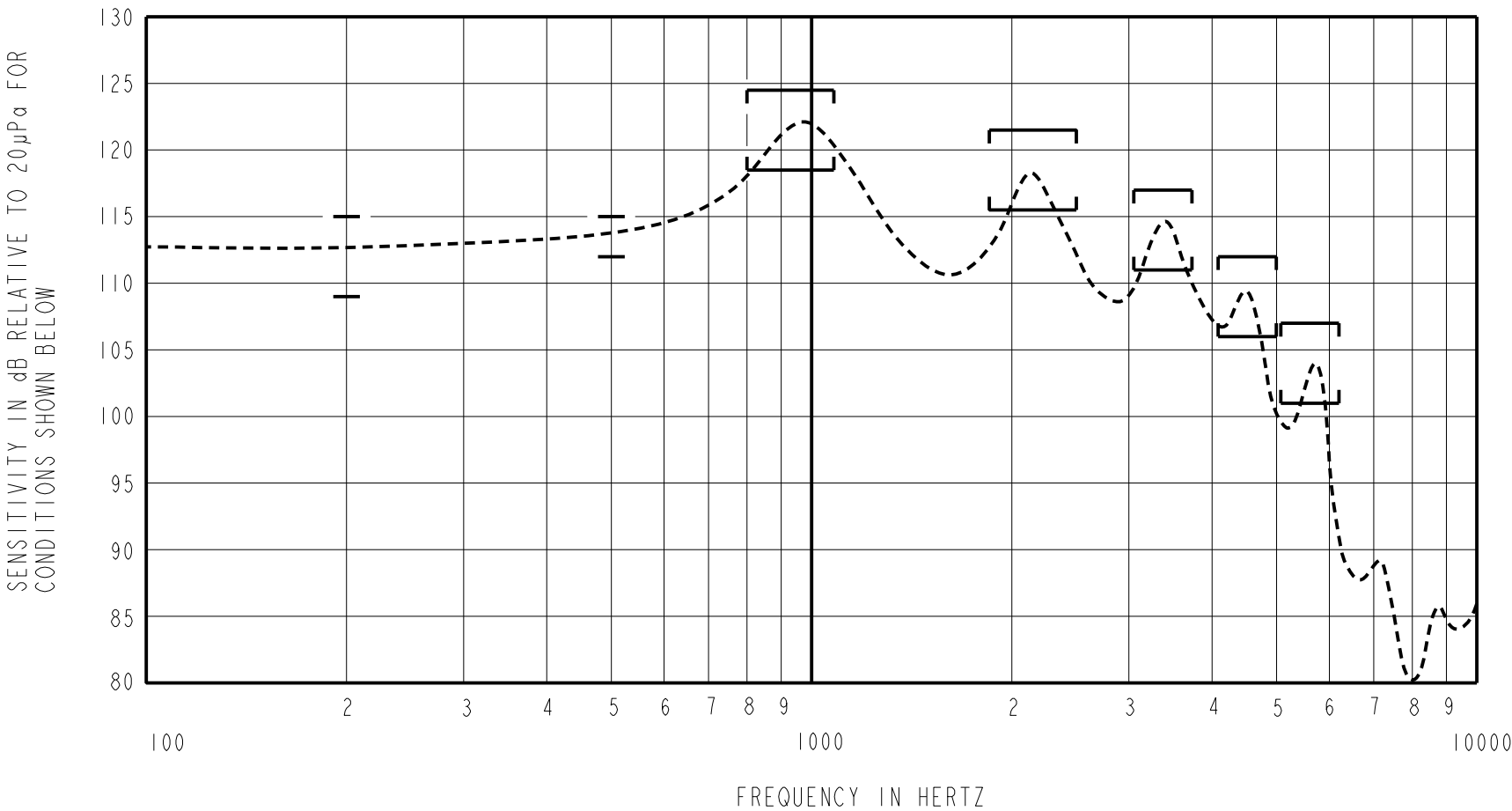
THE DTEC-31116-000 IS A PAIR OF BALANCED ARMATURE RECEIVERS INTENDED FOR USE IN BTE HEARING AIDS. IT HAS A LOW DCR TO IMPEDANCE RATIO, HAS THE CENTER TERMINAL CONNECTED TO CASE AND IS THE SAME SIZE AS AN EF RECEIVER

NO DAMPING

DTEC-31116-000
SHEET 2.1

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.

CONSTANT VOLTAGE DRIVE CONDITIONS



ACOUSTICAL

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-4.5	-1.5	+1.5
500	-1.5	113.5	+1.5
800-1080	+5.0	+8.0	+11.0
1850-2500	+2.0	+5.0	+8.0
3050-3730	-2.5	+0.5	+3.5
4085-4995	-7.5	-4.5	-1.5
5075-6205	-14.0	-11.0	-8.0

TABLE 1

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

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
315	0.164	0	5
470	0.164	0	5
470	0.328	0	10

TABLE 2

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.164 V rms, TO DELIVER 0.70 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 ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

ELECTRICAL

DC RESISTANCE	22 OHMS ± 10% *
IMPEDANCE @ 500 Hz	38 OHMS ± 15% *
INDUCTANCE @ 500 Hz	16 mH TYPICAL
CAPACITANCE @ 10 MHz	2 pF TYPICAL

TABLE 4

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

MECHANICAL

PORT LOCATION: I2C

SOLDER TYPE: SAC305

TEMPERATURE

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

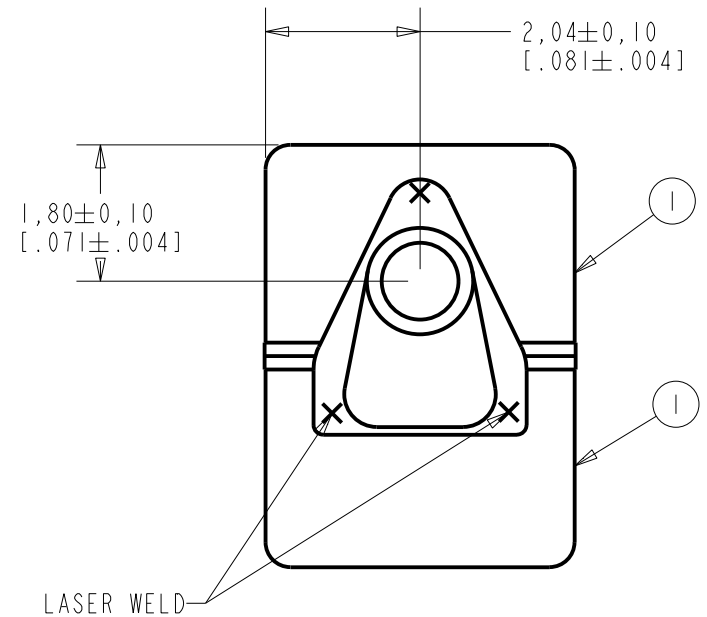
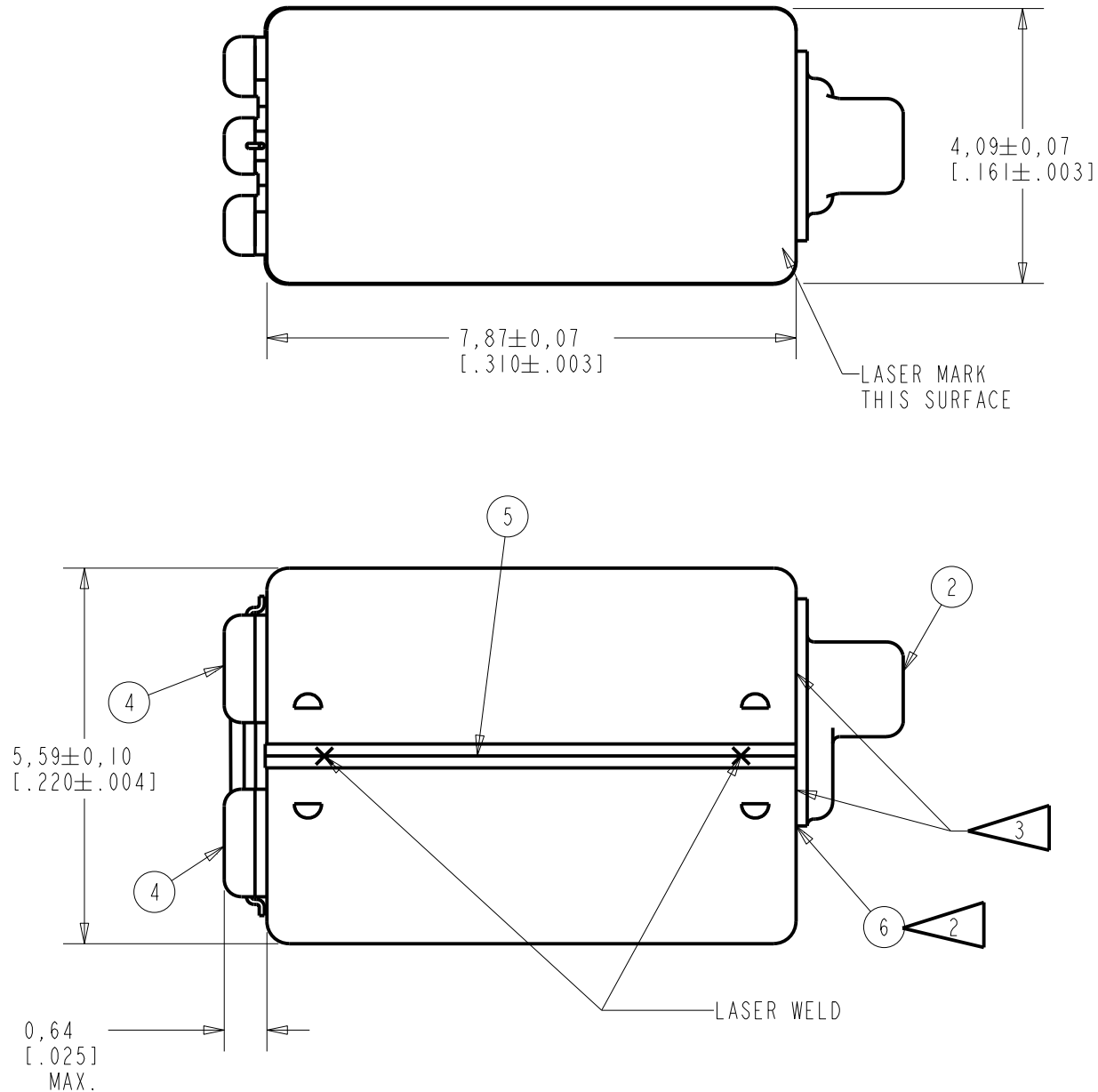
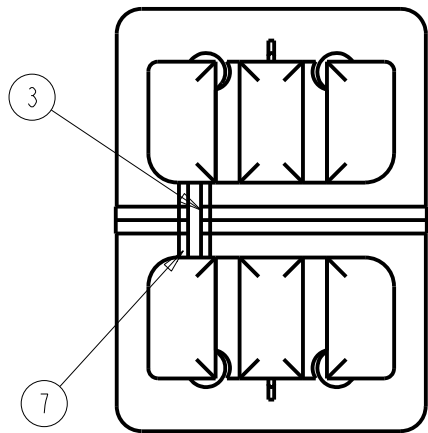
RED CONTROLLED

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C10111188	4-6-10		
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 SDZ	DATE 4-6-10
TITLE: RECEIVER PERFORMANCE SPECIFICATION			CK. BY GJP	DATE 4-6-10
			APP. BY GJP	DATE 4-6-10
			DTEC-31116-000 SHT 2.1	

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DTEC-31116-000



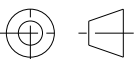
NOTES:

1. ITEM NUMBERS (SHOWN THUS ) CORRESPOND TO ITEM NUMBER ON BILL OF MATERIAL.

2 AIRTIGHT SEAL ALL AROUND.

3 0.03 [.001] MAX. GAP ALLOWED BETWEEN ITEMS (1) & (2).

DIMENSIONS IN MILLIMETERS [INCHES]

DIMENSIONS IN MILLIMETERS [INCHES]					RELEASE LEVEL		REVISION				
					Active		A				
MATERIAL SEE BILL OF MATERIAL					FINISH - - -		SCALE: 10:1		DO NOT SCALE DRAWING		
REF.	NONE	A	c.o.	C1011188	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.				DR. BY	DATE
										SDZ	4-6-10
										CH. BY	DATE
						THIRD ANGLE PROJECTION		TITLE		RECEIVER DUAL	
						SHEET 3.1					
								REV: B			

PRODUCTION TEST INFORMATION

SOFTWARE REVISION PXI FCART	SOFTWARE 1.73 MIN.
HARDWARE REVISION PXI FCART	KE 1065C.008G MIN.

RED CONTROLLED

	Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION	
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						APP. BY	DATE
					GJP	4-6-10	
					SHT 5.1		



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Электрон
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