

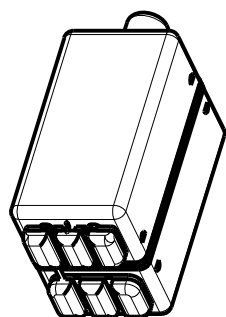
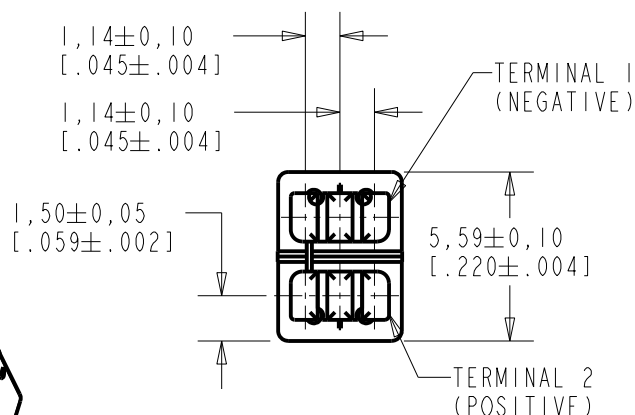
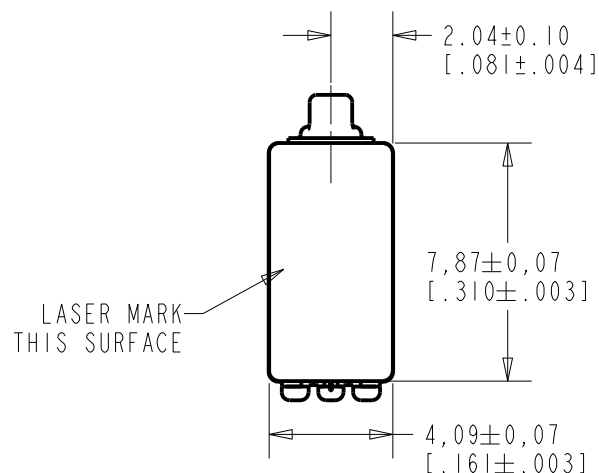
DTEC-31116-000

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.

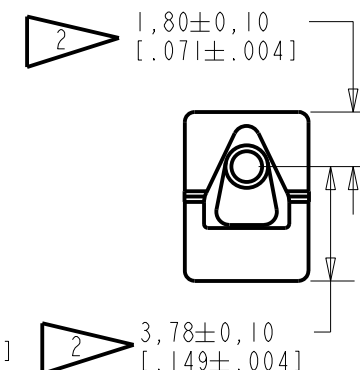
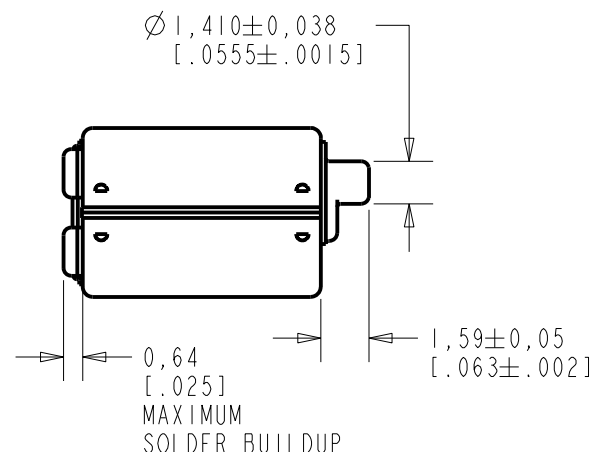
2. LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. HORIZONTAL LOCATION FOR TERMINAL CENTERED TO $\pm 0,17$ [.007].



NOMINAL WEIGHT
.71 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

RED CONTROLLED



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

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

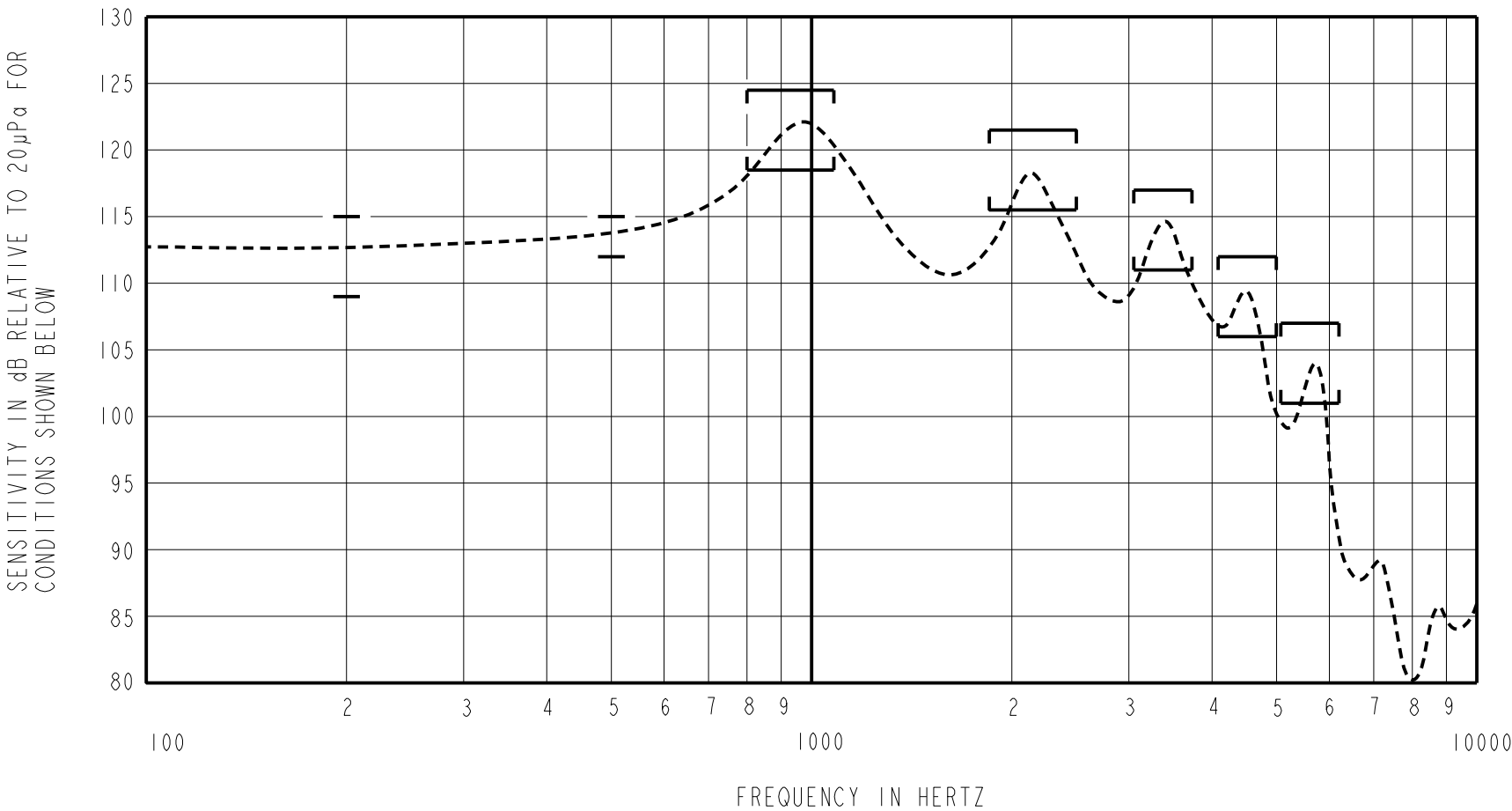
THE DTEC-31116-000 IS A PAIR OF BALANCED ARMATURE RECEIVERS INTENDED FOR USE IN BTE HEARING AIDS. IT HAS A LOW DCR TO IMPEDANCE RATIO, HAS THE CENTER TERMINAL CONNECTED TO CASE AND IS THE SAME SIZE AS AN EF RECEIVER

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

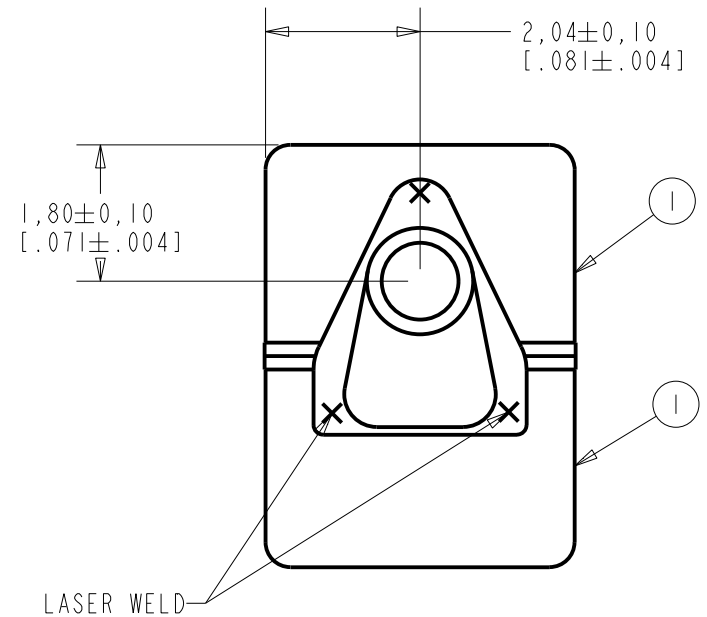
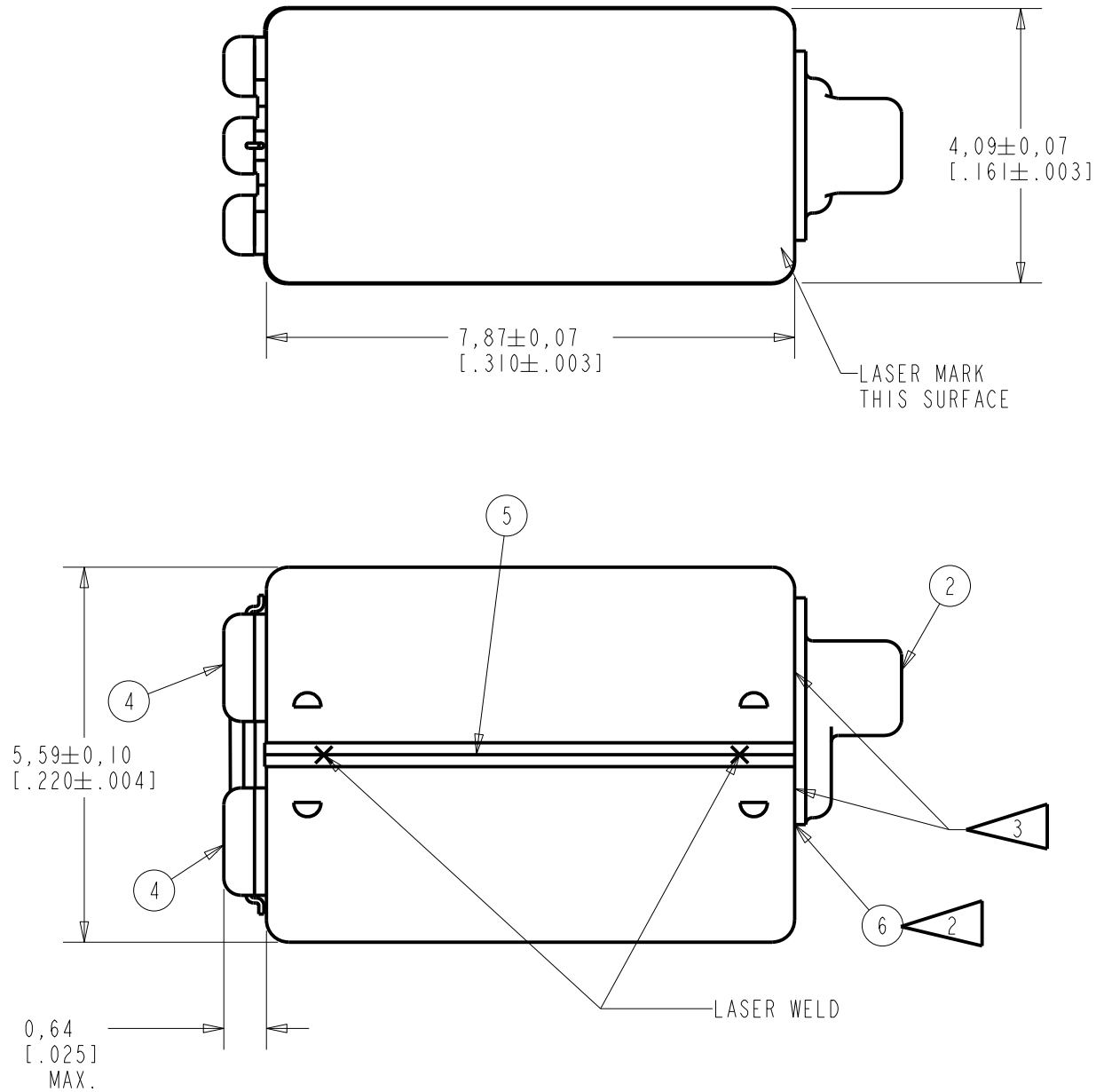
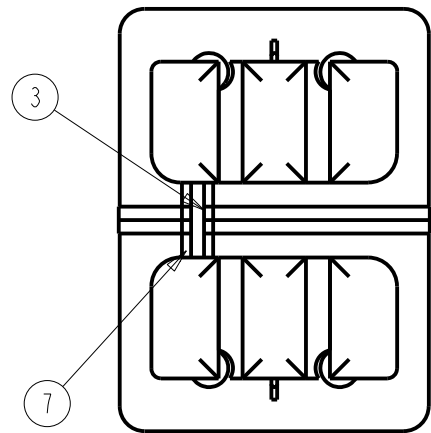
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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	C10111188	4-6-10		
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			DR. BY SDZ	DATE 4-6-10
TITLE: RECEIVER			CK. BY GJP	DATE 4-6-10
PERFORMANCE SPECIFICATION			DTEC-31116-000 SHT 2.1	APP. BY GJP
				DATE 4-6-10

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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]

MATERIAL SEE BILL OF MATERIAL				FINISH - - -				SCALE: 10:1				DO NOT SCALE DRAWING			
REF.	A	c.o.	NONE	C1011188	RED CONTROLLED	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	THIRD ANGLE PROJECTION	KNOWLES ELECTRONICS							
								ITASCA, ILLINOIS U.S.A.							
								RECEIVER DUAL							
								DTEC-31116-000							
								SHEET 3.1							

RED CONTROLLED

PRODUCTION TEST INFORMATION

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

RED CONTROLLED

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						SDZ	4-6-10
	TITLE: RECEIVER PERFORMANCE SPECIFICATION					CK. BY	DATE
						GJP	4-6-10
						APP. BY	DATE
					GJP	4-6-10	
					SHT 5.1		

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

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