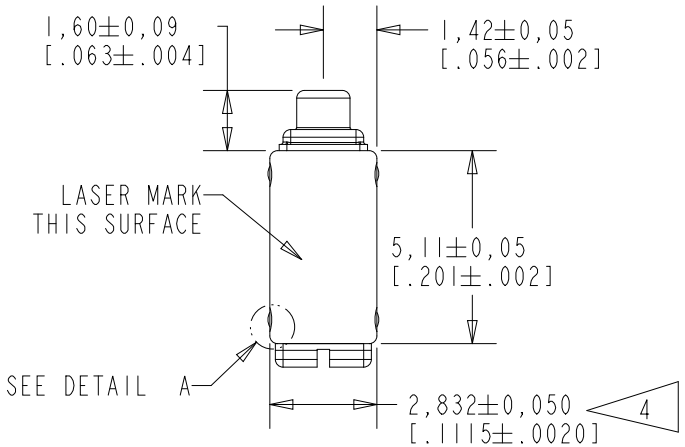
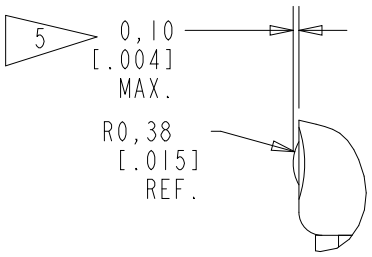
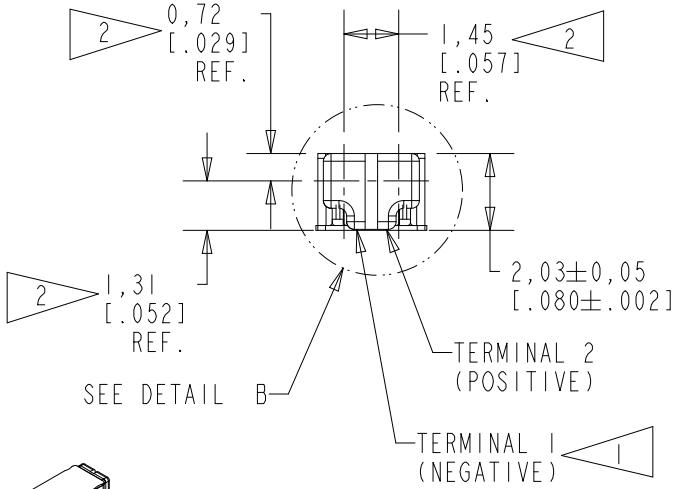


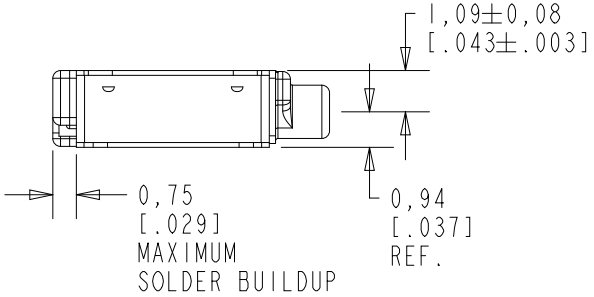


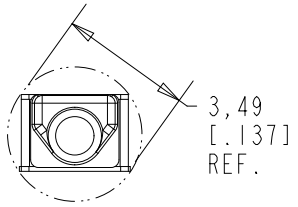
DETAIL A
SCALE 15:1
PRODUCTION VESTIGE ON
BOTTOM PLATE ONLY
(4 PLS.)

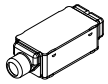
NOTES:

1. A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.
2. DIMENSION TO APPROXIMATE CENTER OF TERMINAL PAD.
3. USE CAUTION WHEN SOLDERING TO THE TERMINAL. DO NOT TOUCH/DISTURB THE CONTACT PIN PROTRUDING FROM THE RECEIVER. DISTURBING THIS PIN CAN RESULT IN FUNCTIONAL FAILURE.
4. DIMENSION IS NOT INCLUSIVE OF PRODUCTION VESTIGE AS SHOWN IN DETAIL A.
5. THE MEASUREMENT OF THE VESTIGE IS RELATIVE TO THE BOTTOM PLATE.

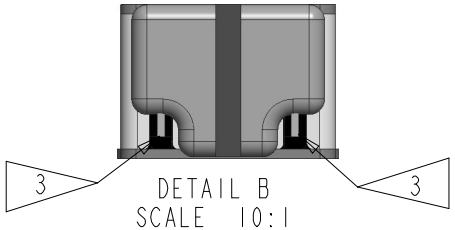








SCALE 2:1
NOMINAL WEIGHT
.107 GRAMS



DETAIL B
SCALE 10:1

knowles

REVISION	ECR NO.	IMP. DATE	SCALE	DR. BY	DATE
			5:1	DVJ	5-24-21
				CH. BY	DATE
RELEASE LEVEL		REVISION	DO NOT SCALE DRAWING	APP. BY	DATE
Design		1	DIMENSIONS IN MILLIMETERS[INCHES]		

TITLE:
RECEIVER
OUTLINE DRAWING

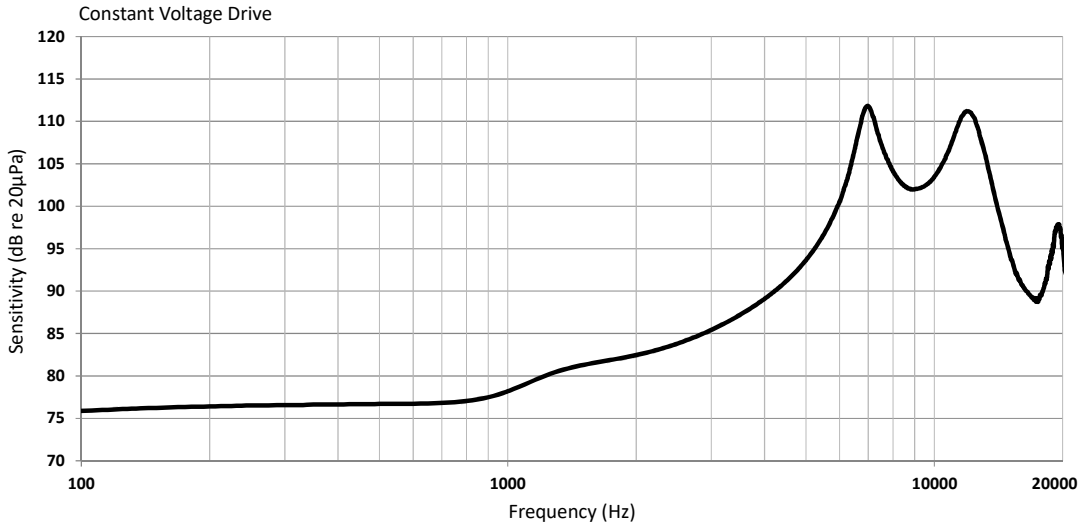
RAU-34832-B148
SHEET 1.1

KEIIIASIZE.FRM Rev: B

This is an undamped magnetic balanced armature receiver intended for use as a high frequency driver.

No Damping	RAU-34832-B148 Sht 2.1

RoHS Compliant



Acoustical

Sensitivity: Device will produce the SPL listed below with the test conditions described in table 3. Nominal sensitivity at 1000 Hz is dB relative to 20 µPa. All other values in dB relative to the sensitivity at 1000 Hz.

Limit Type	Frequency (Hz)	Minimum	Nominal	Maximum
Ref	1000	76.0	79.0	82.0
Peak 1	7000	27.0	32.0	37.0
Peak 2	12000	26.0	31.0	36.0

Table 1

Total Harmonic distortion: Device will not exceed total harmonic distortion levels listed below:

Frequency (Hz)	AC Drive (Vrms)	Bias	Limit (%)
1/3 Peak1	0.094	0	5
1/2 Peak 1	0.094	0	5
1/3 Peak1	0.265	0	10

Table 2

Test Conditions

Nominal Source Voltage	0.094 Vrms
Source Impedance	<1 Ohm
Tubing	1.75mm(Long) x 1mm (I.D.)
Coupler Cavity	IEC60318-4(IEC 711, HighFrequency Coupler GRAS RA0402)

Table 3

Electrical

DC Resistance @ 20°C	12.0 Ohms ± 15%
Impedance @ 500 Hz	12.1 Ohms ± 20%
Impedance @ 1 kHz	12.1 Ohms ± 20%

Isolation: Case will be electrically isolated from the coil

Mechanical

Port location: 12S

Solder type: RoHS compliant, SAC 305

Storage: -40°C to +63°C

Knowles reserves the right to make changes to improve reliability and performance of the product.

Preliminary

Based on pre-production units

Revision	C.O. #	Implementation Date	Release level	Revision
			Design	

Knowles Corporation

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	Date
TZ	4/4/2022
Ck by	Date
App by	Date

Receiver
Performance Specification

RAU-34832-B148
Sht 2.1