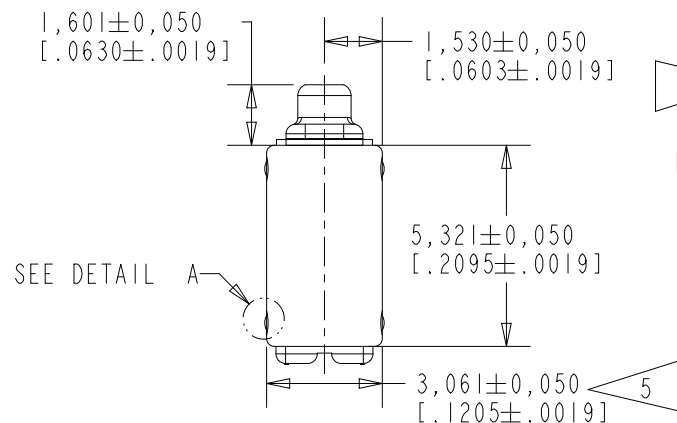


RLQ-34240-000

SHT 1.1

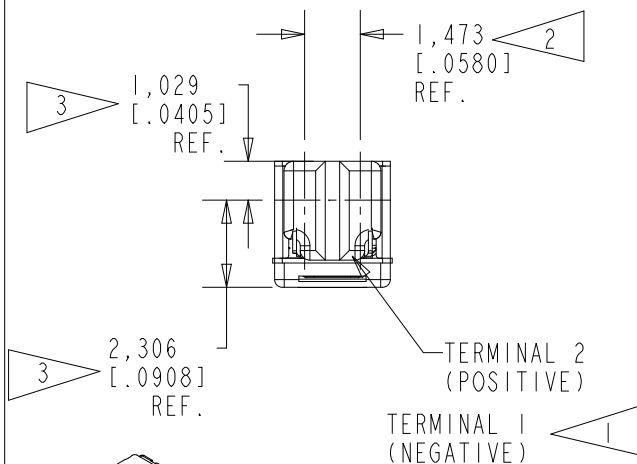


R0,383
[.0151]
REF.

DETAIL A
PRODUCTION VESTIGE
ON BOTTOM PLATE ONLY
SCALE 15:1

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.
- 3 DIMENSION TO APPROXIMATE CENTER OF TERMINAL PAD.
- 4 USE CAUTION WHEN SOLDERING TO THE TERMINAL. DO NOT TOUCH/ DISTURB THE GOLDEN PIN PROTRUDING FROM THE RECEIVER. DISTURBING THIS PIN CAN RESULT IN FUNCTIONAL FAILURE.
- 5 DIMENSION IS NOT INCLUSIVE OF PRODUCTION VESTIGE AS SHOWN IN DETAIL A.
- 6 THE MEASUREMENT OF THE VESTIGE IS RELATIVE TO THE BOTTOM PLATE.



3,334±0,065
[.1313±.0025]

0,750
[.0295]
MAX.

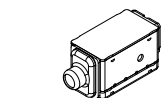
SOLDER BUILDUP

0,010
[.0004]

TUBE AND CUP MISMATCH

4,4421
[.17488]
REF.

Ø0,508
[.0200]
REF.



SCALE 2:1
NOMINAL WEIGHT
X.XXX GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES CORPORATION

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Design	1
SCALE: 5:1				DR. BY DATE
DO NOT SCALE DRAWING				DVJ 10-6-20
TITLE: RECEIVER ASSEMBLY				CK. BY DATE
OUTLINE DRAWING				APP. BY DATE
RLQ-34240-000				---
SHT 1.1				---

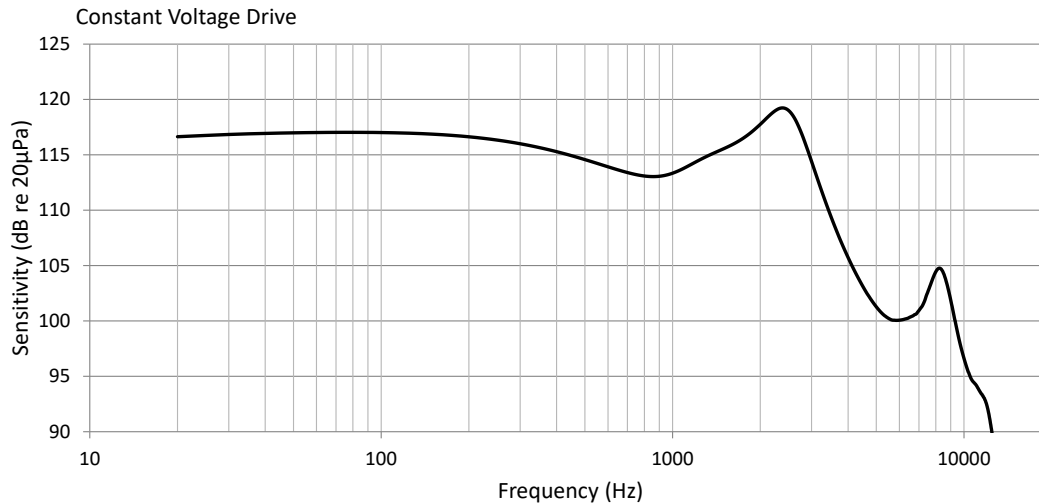
This is an undamped magnetic balanced armature receiver intended for use in earphone applications.

No Damping

RLQ-34240-000

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
Rel	200	0.0	3.0	6.0
Rel	500	-2.0	1.0	4.0
Ref	1000	111.5	113.5	115.5
Peak 1	2082-2682	3.0	6.0	9.0
Peak 2	7715-8715	-13.5	-8.5	-3.5

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	0.115	0	5
1/2 Peak 1	0.115	0	5
1/3 Peak1	0.324	0	10

Table 2

Test Conditions

Nominal Source Voltage	0.115 Vrms
Source Impedance	<1 Ohm
Tubing	TUBELESS
Coupler Cavity	IEC 60318-4 (IEC 711) GRAS RA0402

Table 3

Electrical

DC Resistance @ 20°C	22.5 Ohms ± 15%
Impedance @ 500 Hz	33.5 Ohms ± 20%
Impedance @ 1 kHz	56.5 Ohms ± 20%

Isolation: Case will be electrically isolated from the coil circuit.

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

Knowles Corporation

Revision	C.O. #	Implementation Date	Release level	Revision
			Design	1
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
				5/5/2022
			Ck by	Date
Receiver Performance Specification		RLQ-34240-000		App by
		Sht 2.1		Date

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