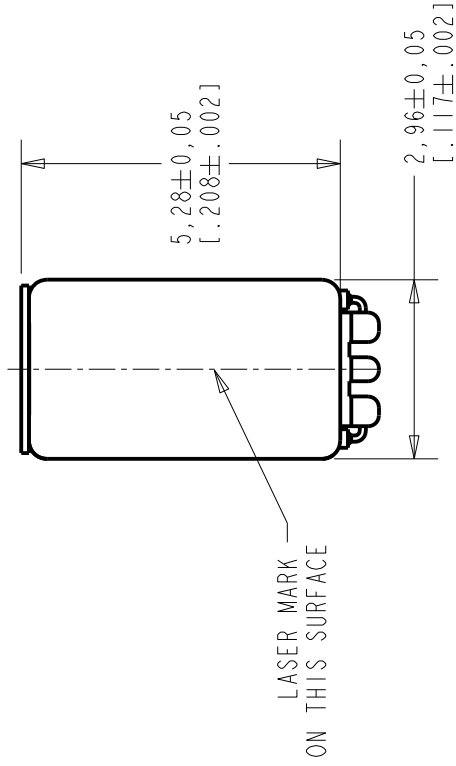




**THE DATASHEET OF
RAB-31761-000**





NOTE:
1 A POSITIVE GOING VO
RELATIVE TO TERMINA
IN PRESSURE AT THE



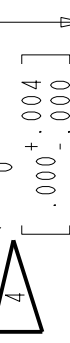
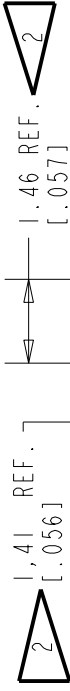
2 DIMENSION TO APPROX
TERMINAL PAD.



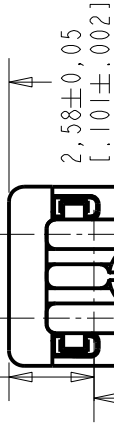
3 TERMINAL ELECTRICAL



4 LOCATED FROM THE RE
ADAPTER PLATE EDGE
EXTEND OUT THE RECE
BUT ACCEPT BELOW MA



0,00+0,10
[.000+.000]



0,10±0,10
[.004±.004]

R0,25±0,05
[.010±.002]
(2 PLS.)

R0,43±0,05
[.017±.002]
(2 PLS.)

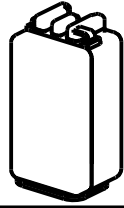


0,13 REF.
[.005]

0,64
[.025]
MAXIMUM
SOLDER BUILDUP

TERMINAL 2
(POSITIVE)

TERMINAL 1
(NEGATIVE)



3

SCALE 4:1
NOMINAL WEIGHT
.16 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

Revision	C.O. #	Implementation Date	Rev
A	C10115768P	4-14-14	A

SCALE:

5:1

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

DO NOT SCALE DRAWING

RECEIVER

RAB-320

OUTLINE DRAWING

SHT

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

RECEIVER

RAB-32037-000

SHT 2.1

PERFORMANCE SPECIFICATION

DR. BY	DATE	4-14-14
LW	DATE	4-14-14
CK. BY	DATE	4-15-14
GJP	DATE	4-15-14
APP. BY	DATE	4-15-14

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

Revision	C.O. #	Implementation Date	Release Level	Revision
A	C10115768P	4-14-14	Active	A

TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.164 Vrms
SOURCE IMPEDANCE	> 1 Ω
TUBING	10 mm (.394) LONG, 1 mm (.039) I.D.
COUPLER CAVITY	2 CC SIMULATED ANSI S3.7 TYPE HA-3, (IEC 60318-5)

TABLE 3.

TABLE 2.

FREQUENCY (HZ)	DRIVE (V rms)	LIMIT (%)
1/3 PEAKI (TYP. 917)	0.164	5
1/2 PEAKI (TYP. 1375)	0.164	5

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

TABLE 1.

LIMIT TYPE	FREQUENCY (HZ)	MINIMUM	NOMINAL	MAXIMUM
REL	200	+2.5	+5.5	+8.5
REL	500	0.0	+3.0	+6.0
REF	1000	-3.0	101.0	+3.0
PEAK	2450-3050	+1.0	+4.0	+7.0
VALLEY	4000-5400	-12.5	---	---
PEAK	5200-6200	-10.0	-7.0	-4.0

SENSITIVITY
DEVICE WILL PRODUCE THE SPL LISTED BELOW WITH THE TEST CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 1 kHz IS DB RELATIVE TO 20 μ Pa. ALL OTHER VALUES IN DB RELATIVE TO THE SENSITIVITY AT 1 kHz.

ACOUSTICAL

ELECTRICAL

DC RESISTANCE	49.0 Ω \pm 10%
IMPEDANCE @ 500 HZ	76.0 Ω \pm 15%
IMPEDANCE @ 1 KHZ	124.0 Ω \pm 15%
INDUCTANCE @ 500 HZ	37.3 mH TYPICAL

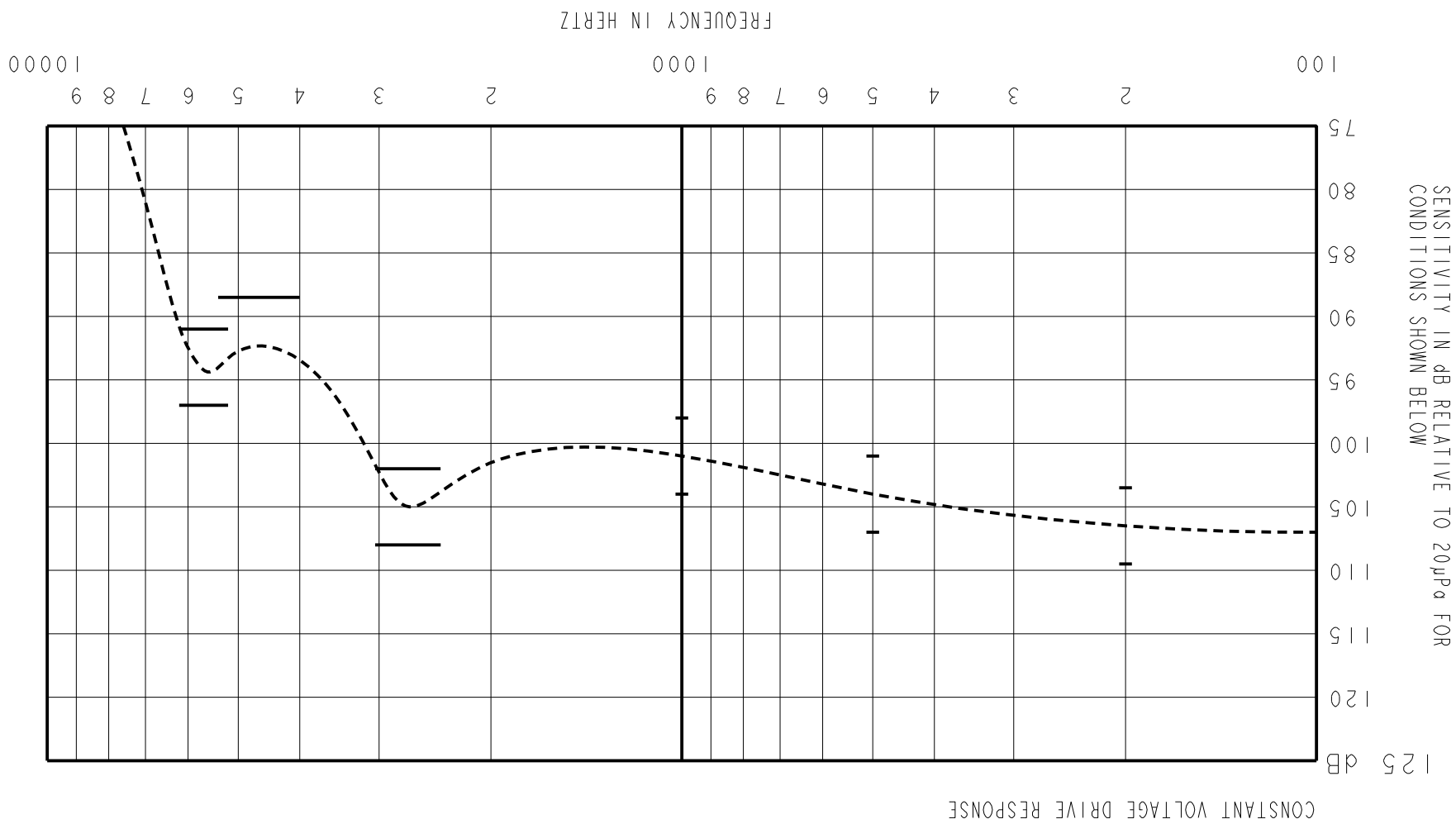
TABLE 4.

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

MECHANICAL

PORT LOCATION: 12C
SOLDER TYPE: ROHS COMPLIANT
SAC305

TEMPERATURE
OPERATING: SENSITIVITY WILL NOT VARY MORE THAN +1/-3 DB FROM 0°C TO 63°C
STORAGE: -40°C TO 63°C



THIS IS AN UNDAMPED MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN HEARING INSTRUMENTS.

NO DAMPING

RAB-32037-000
SHEET 2.1

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View RAB-31761-000 on WIN SOURCE](#)

 [Knowles](#) Information

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management