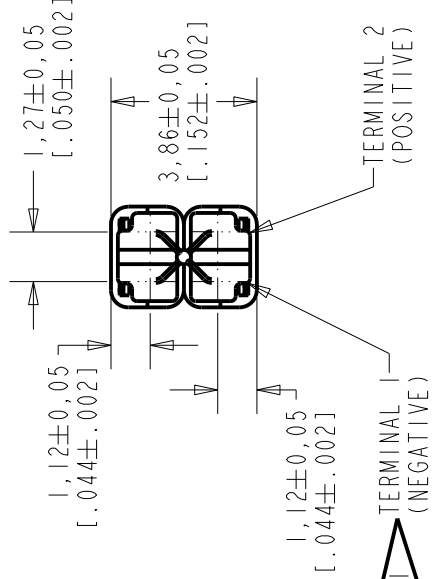
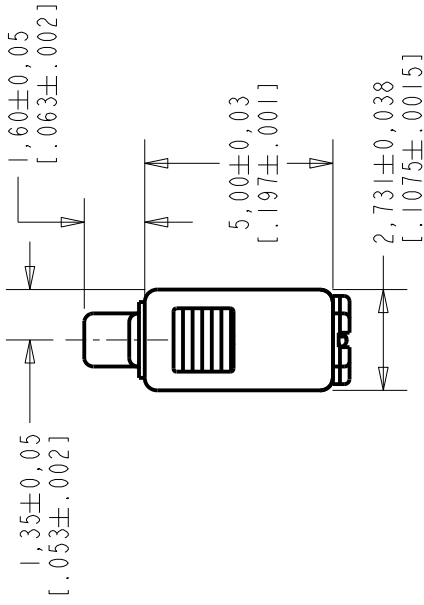




**THE DATASHEET OF
SWFK-31736-000**





SCALE 2:1
NOMINAL WEIGHT
0.19 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.

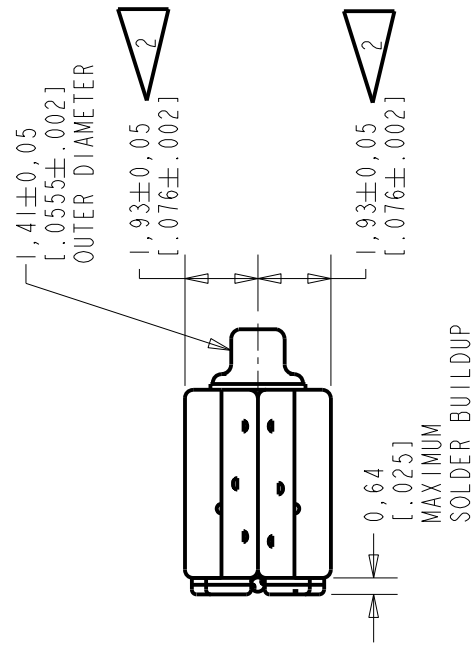
NOTES:



1 A POSITIVE GOING VIEW
RELATIVE TO TERMINAL 1
IN PRESSURE AT THE



2 LOCATED FROM TWO SIDES
FOR CONVENIENCE. ONLY
SURFACE, NOT TO BE



Revision	C.O. #	Implementation Date	Rev
A	C10114785P	11-11-13	A

SCALE: 5:1

DO NOT SCALE DRAWING

RECEIVER

SWFK-31

OUTLINE DRAWING

SHT

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RECEIVER

SWFK-31736-000

PERFORMANCE SPECIFICATION

SHT 2.1

DR. BY	DATE
00	11-11-13
CK. BY	DATE
GJP	11-13-13
APP. BY	DATE
GJP	11-13-13

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	C10114785P	11-11-13	Active	A

ELECTRICAL

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

TABLE 4

DC RESISTANCE	6.3 Ohms ± 10%
IMPEDANCE @ 500 Hz	6.6 Ohms ± 20%
IMPEDANCE @ 1KHz	7.0 Ohms ± 20%

TEST CONDITIONS

TABLE 3

NOMINAL SOURCE VOLTAGE	.094 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	<0.2 Ohm
TUBING	10mm [.394"] LONG, 1mm [.039"] I.D.
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 2

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	DC BIAS LIMIT (%)
1750	.265	0	10
1750	.094	0	5
1166	.094	0	5

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

TABLE 1

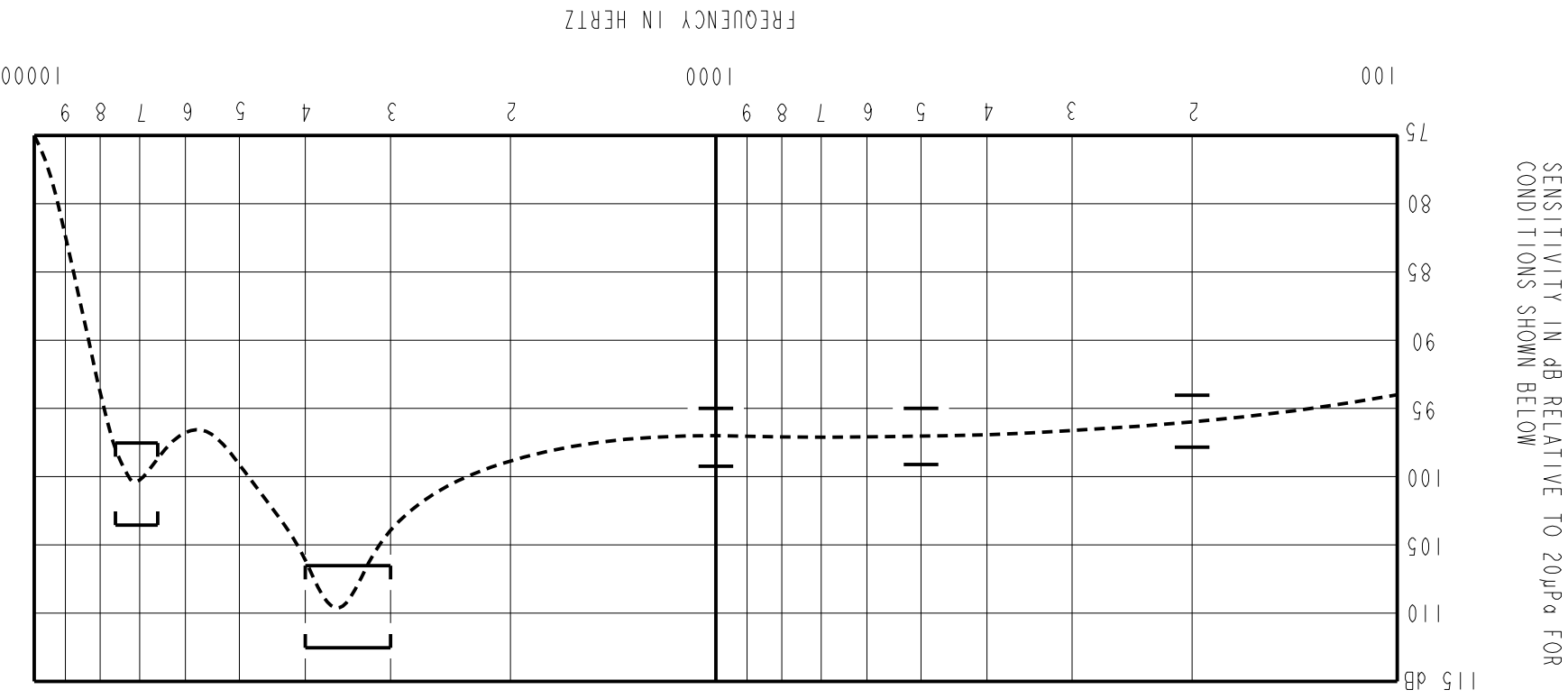
FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3.0	-1.0	+1.0
500	-2.0	0.0	+2.0
1000	-2.0	97.0	+2.0
3000-4000 PEAK	+9.5	+12.5	+15.5
6600-7600 PEAK	+0.5	+3.5	+6.5

ACOUSTICAL

SENSITIVITY*
DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITION IN TABLE 3. NOMINAL SENSITIVITY AT 1KHz IS DB RELATIVE TO 20 µPa. ALL OTHER VALUES IN DB RELATIVE TO THE SENSITIVITY AT 1KHz.

MECHANICAL

PORT LOCATION: 12S
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.



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

A PAIR OF MAGNETIC BALANCED ARMATURE RECEIVERS WITH TAPERED REED INTENDED FOR USE AS THE HIGH FREQUENCY DRIVER IN A HI-FI SYSTEM.

NO DAMPING

SWFK-31736-000

SHEET 2.1

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