

NOTES:

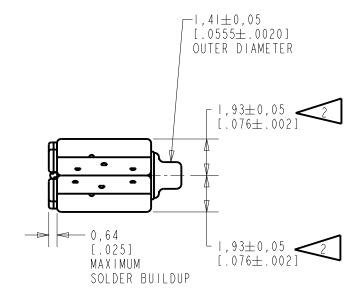


► A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.



LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER.

## **RED CONTROLLED**



OUTLINE DRAWING





SCALE 2:1 NOMINAL WEIGHT 0.19 GRAMS

 $1,35\pm0,05$ 

 $1,12\pm0,05$ 

 $1,12\pm0,05-$ 

FERMINAL I

(NEGATIVE)

 $[.044 \pm .002]$ 

 $[.044 \pm .002]$ 

 $[.053 \pm .002]$ 

DIMENSIONS IN MILLIMETERS [INCHES]

 $1,59\pm0,05$ 

 $5,00\pm0,03$ 

 $[.197 \pm .001]$ 

➡ 1,27±0,05

 $[.050 \pm .002]$ 

 $3,86\pm0,05$ [.I52±.002]

TERMINAL 2

(POSITIVE)

 $2,731\pm0,038$ 

 $[.1075\pm.0015]$ 

 $[.063 \pm .002]$ 

ı	Revision	C.O. #	Implementation Da	t e	RELEASE LEVEL		REVISION
	A	C10115507	1-26-14		Active		A
1	SCALE:		5:1			DR. BY	DATE
	DO NOT SCALE DRAWING					LW CK. BY	1 - 26 - 14 DATE
	RECEIVER SWFK-32255-000				GJP	1-28-14	

**KNOWLES ELECTRONICS** ITASCA, ILLINOIS U.S.A.

SHT I.I

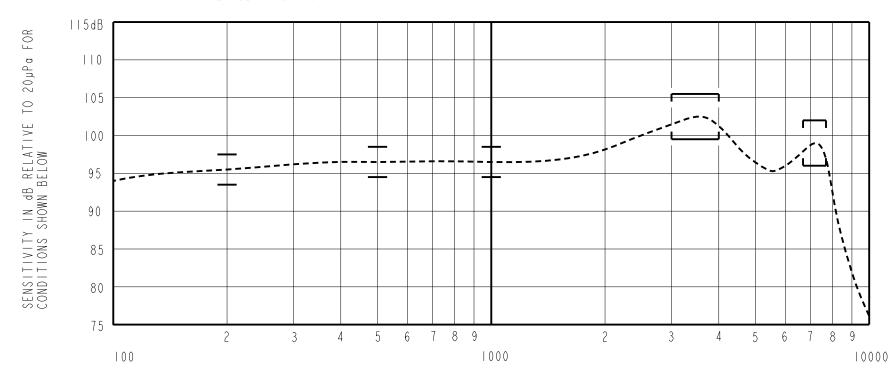
APP BY

DATE

1-28-14

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

#### CONSTANT VOLTAGE CONDITIONS



FREQUENCY IN HERTZ

### ACOUSTICAL

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITION IN TABLE 3. NOMINAL SENSITIVITY AT IKHZ IS dB RELATIVE TO 20 μPα. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	- 3 . 0	-1.0	+   . 0
500	-2.0	0.0	+2.0
1000	-2.0	96.5	+2.0
3000-4000 PEAK	+3.0	+6.0	+9.0
6700-7700 PEAK	-0.5	+2.5	+5.5

## 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.

TABLE I

TOTAL HARMONIC DISTORTION\*

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

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

TABLE 2

### TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.094 V rms, O mA DC BIAS
SOURCE IMPEDANCE	<0.2 Ohm
TUBING	
COUPLER CAVITY	2 CM <sup>3</sup> , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

### FIFCTRICAL

DC RESISTANCE	6.3 Ohms ± 10%*
IMPEDANCE @ 500 Hz	6.6 Ohms $\pm$ 20%
IMPEDANCE @ IkHz	7.0 Ohms + 20%

TABLE 4

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

RED CONTROLLED

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
A	C10115507	- 26 -   4	Active		A
CRITERIA, (	CORRELATION (		INSPECTION ACCEPTANCE/REJECTION OWLES IS ALSO REQUIRED FOR ION	DR. BY	DATE   - 26 -   4

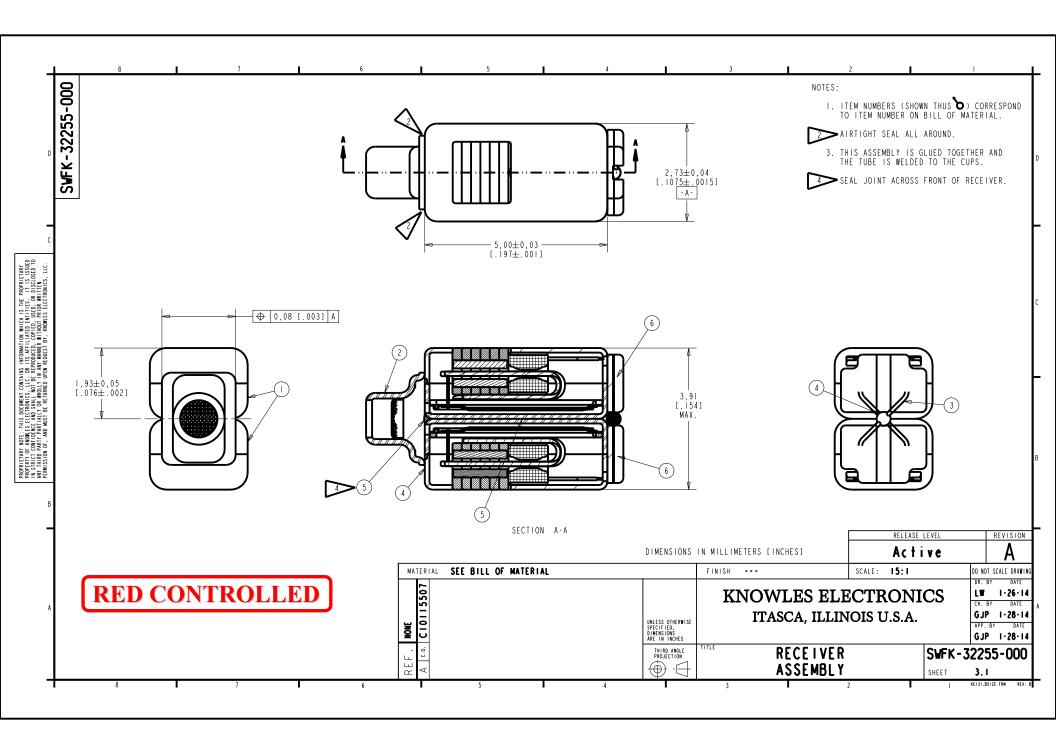
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	ORRELATION OF TEST EQUIPMENT WITH K OF EQUIPMENT AND TEST METHOD VARIA		LW	1-26-14
			CK. BY	DATE
ITLE:	RECEIVER	SWFK-32255-000	GJP	1-28-14
	NECETVEN	3#1 K 32233 000	APP. BY	DATE

SHT 2.1

PERFORMANCE SPECIFICATION

1-28-14



SWFK-32255-000	KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.	SWFK-32255-000
By Date Dr. LW 1-26-14 Ch. GJP 1-28-14 App. GJP 1-28-14	RECEIVER ASSEMBLY	
COL. I Part or	2 3 Tot. Nomenclature:	Applicable Specs & 2
Dwg. no. WBFK-31142-000	Req. RECEIVER ASSEMBLY	or Remarks ± 1
FH-172-015	TUBE & SCREEN ASSEMBLY	2 2
103-012	A/R WIRE	3 3
13-825-3145	A/R CEMENT	4 4
13-637	A/R CEMENT	5 5
285-007-221	a/r    SOLDER LEAD FREE	6 6

# RED CONTROLLED

C10115507

A C.0.

SWFK-32255-000 Sheet 4.1

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#### PRODUCTION TEST INFORMATION

SOFTWARE REVISION PXI FCAAT	SOFTWARE 2.5 MIN.
HARDWARE REVISION PXI FCAAT	KE 1065E.008 MIN.
TEST BOARD	T4530
TEST COUPLER	T8049

#### PHASE TEST

FREQUENCY	AC DRIVE	DEGREE	LIMIT
(Hz)	(mArms)	MIN	MAX
500	5.8	I 40	220

# RED CONTROLLED

А	C10115507	1 - 26 - 14		l '\
			Active	ΙΑ
				A
Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION

SHT 5.1

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WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION PR. BY CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION

RECEIVER

PERFORMANCE SPECIFICATION

1-26-14 CK. BY DATE SWFK-32255-000 GJP 1-28-14 DATE GJP 1-28-14

DATE