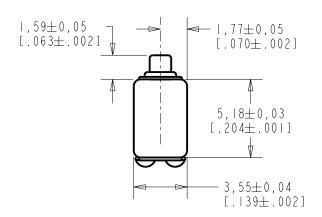
FFC-23981-104

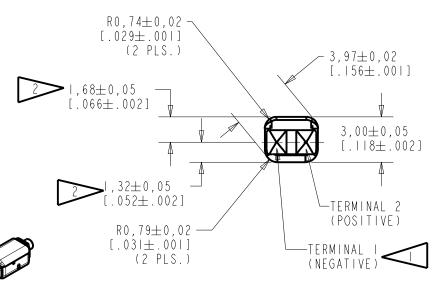
SHT I.I

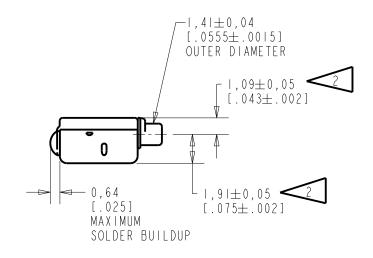


NOTES:

A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, 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.





RELEASE LEVEL

REVISION

SCALE 2:1

NOMINAL WEIGHT .23 GRAMS

DIMENSIONS IN MILLIMETERS [INCHES]

KNOWLES	<b>ELECTRONIC</b>	CS

ITASCA, ILLINOIS U.S.A.

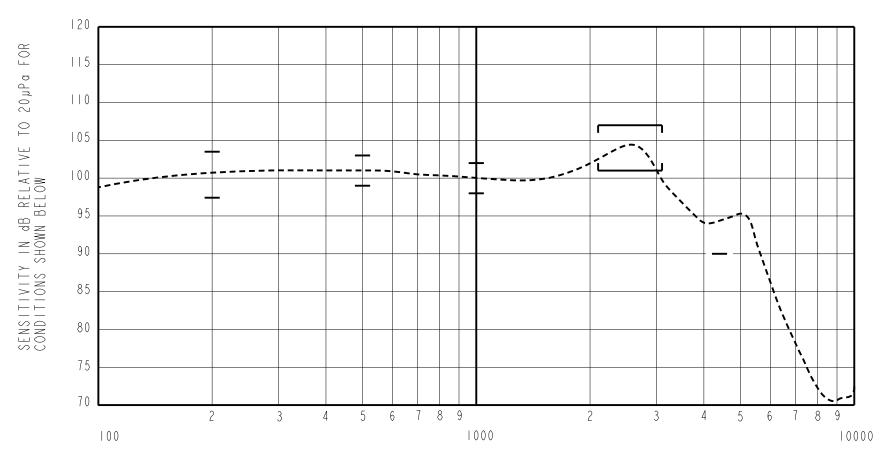
1101101011	REELAGE ELVEL				KETTOTON
D	C10112708	9 - 2 - 1 1	Active	D	
SCALE:	SCALE: 4:1			DR. BY	DATE
DO NOT SCALE DRAWING				MMM CK. BY	9 - 30 - 05 DATE
TITLE:	RE	CEIVER	FFC-23981-104	GJP APP. BY	10-3-05 DATE
	OUTL	INE DRAWING	SHT I.I	GJP	10-3-05

Revision | C.O. # | Implementation Date

PORT LOCATION: 12C

SHEET 2.1

## CONSTANT VOLTAGE DRIVE CONDITIONS



FREQUENCY IN HERTZ

## **ACOUSTICAL**

SENSITIVITY

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

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-2.5	+0.5	+3.5
500	-1.0	+   . 0	+3.0
1000	-2.0	100.0	+2.0
2100 - 3100	+   . 0	+4.0	+7.0
4400	-10.0		

TABLE I

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	LIMIT (%)
500	0.42	0	10
870	0.15	0	6
1300	0.15	0	6

TABLE 2

## TEST CONDITIONS

I EO I OOMDINIONO	
NOMINAL SOURCE VOLTAGE	0.15 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	
COUPLER CAVITY	2 CM <sup>3</sup> , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

## **ELECTRICAL**

LLLOTTIOAL	
DC RESISTANCE	56 Ohms ± 10%
IMPEDANCE @ 500 Hz	69 Ohms ± 15%
IMPEDANCE @ IkHz	96 Ohms ±15%

TABLE 4

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

TEMPERATURE: OPERATING RANGE FROM 0°C TO 63°C (SENSITVITY WILL NOT VARY BY MORE THAN  $\pm 3$  dB WITHIN RANGE) SENSITIVITY AT 0°C IS 2dB LOWER THAN THE SENSITIVITY AT ROOM TEMPERATURE.

DELTA PEAK IS 1.5dB HIGHER AT BODY TEMPERATURE (37°C)

STORAGE RANGE FROM -40°C TO 63°C

	Revision C.O. # Implementation Date RELEASE LEVEL			REVISION		
				Active		D
	D	C10112708	9-2-11			
	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	
				MMM	9 - 30 - 05	
KNOWLES ELECTRONICS					CK. BY	DATE
ITASCA, ILLINOIS U.S.A.	TITLE:	RF	CFIVFR	FFC-23981-104	GJP	10-3-05
11710071, 1111111010 0.0.71.		11 -	CLIVEI	110 20001 104	APP. BY	DATE
		PERFORMAN	CE SPECIFICATION	SHT 2.1	GJP	10-3-05