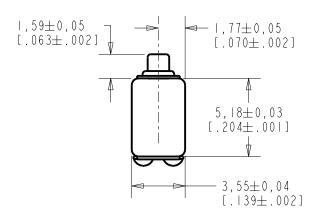
FFC-23981-104

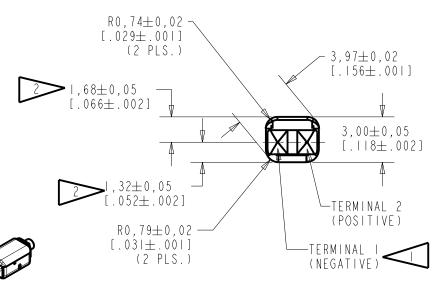
SHT I.I

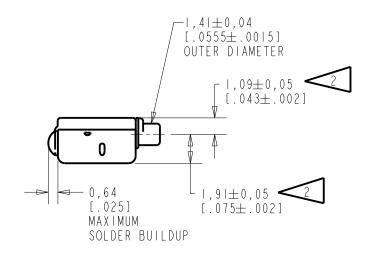


NOTES:

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

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





SCALE 2:1

NOMINAL WEIGHT .23 GRAMS

DIMENSIONS	ΙN	MILLIMETERS	[INCHES]
------------	----	-------------	----------

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.

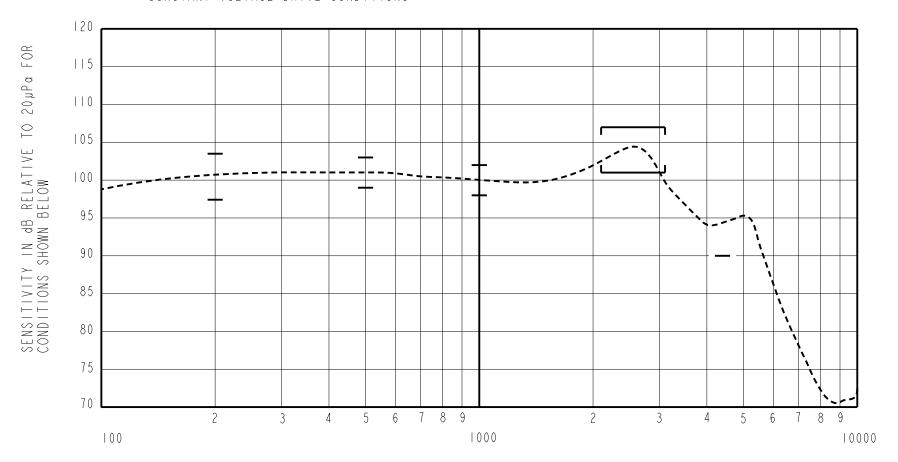
Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
D	C10112708	9 - 2 - 1 1	Active		D
SCALE:		4:1	-	DR. BY	DATE
DO NOT SCALE DRAWING					9 - 30 - 05 DATE
TITLE:	RE(CEIVER	FFC-23981-104	GJP APP. BY	10-3-05 DATE
	OUTL	INE DRAWING	SHT I.I	GJP ASL7F FRM	10-3-05

PORT LOCATION: 12C

FFC-23981-104

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)	ACDRIVE (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

1201 00110110110	
NOMINAL SOURCE VOLTAGE	0.15 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	< I Ohm
TUBING	
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

ELECTRICAL

LLLOTRIOAL	
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 ± 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
	D	C10112708	9 - 2 - 1 1	Active		D
IZMOMI EC EL ECUDOMICO	WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR			DR. BY	DATE	
	ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			MMM	9 - 30 - 05	
KNOWLES ELECTRONICS					CK. BY	DATE
ITASCA, ILLINOIS U.S.A.	TITLE:	RF	CEIVER	FFC-23981-104	GJP	10-3-05
11110011, 12211(010 0.0.11.		., _	OL I VLII	110 20001 101	APP. BY	DATE
		PERFORMAN	ICE SPECIFICATION	SHT 2.1	GJP	10-3-05