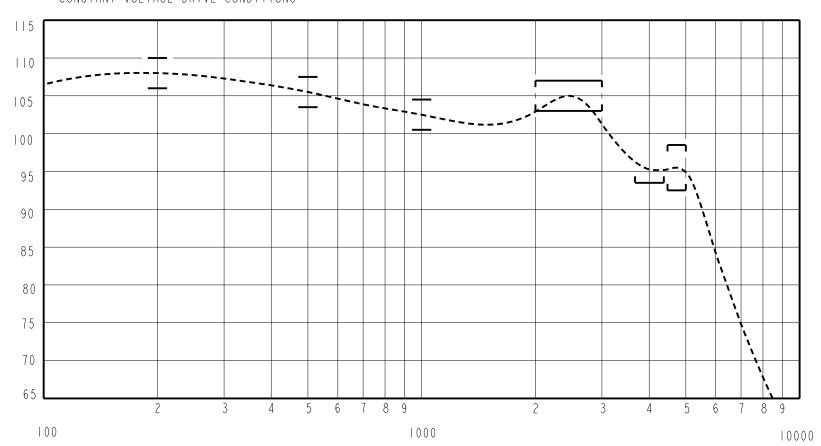


CONSTANT VOLTAGE DRIVE CONDITIONS





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 20µPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHZ.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+3.5	+5.5	+7.5
500	+ .0	+3.0	+5.0
1000	-2.0	102.5	+2.0
2000-3000	+0.5	+2.5	+4.5
3700-4400	-9.0		-
4500-5000	-10.0	-7.0	- 4 . 0

TABLE I

TOTAL HARMONIC DISTORTION

DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (mA)	LIMIT (%)
500	0.571	0	10
780	0.204	0	5
1175	0.204	0	5

TABLE 2

## TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.204 V rms, OmA 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**

DC RESISTANCE	43 OHMS ± 10%
IMPEDANCE @ 500 Hz	80 OHMS ± 15%
IMPEDANCE @ I kHz	138 OHMS ± 15%

TABLE 4

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

Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
С	C10113486	5-17-12			$\sim$
В	C10107990	8 - 20 - 08	Active		(
А	C10103825	I - 2 4 - 0 6			
WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION		DR. BY	DATE		
		)F TEST EQUIPMENT WITH KNO NT AND TEST METHOD VARIAT	DWLES IS ALSO REQUIRED FOR ION	CRG	I - 24 - 06
				CK. BY	DATE
TITLE:	RF	CFIVFR	ED-23994-000	GJP	I - 25 - 06
	· · · ·	CLIVEN	LD 20004 000	APP. BY	DATE
	PERFORMAN	NCE SPECIFICATION	SHT 2.1	GJP	1-25-06

PORT LOCATION: 12C

SOLDER TYPE: SAC305

STORAGE:

OPERATING: SENSITIVITY WILL NOT VARY

MORE THAN +1/-3 dB FROM -17°C TO 63°C -40°C TO 63°C

TEMPERATURE

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.