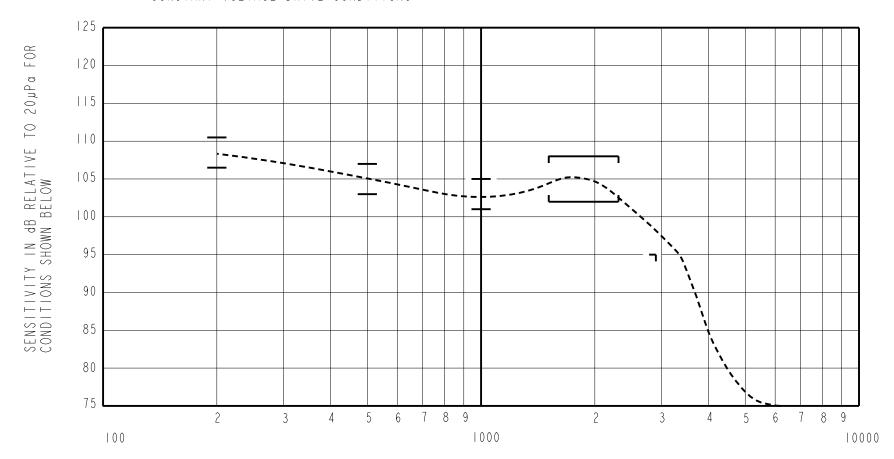


#### CONSTANT VOLTAGE DRIVE CONDITIONS



FREQUENCY IN HERTZ

## ACOUSTICAL

DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITIONS DESCRIBED IN TABLE 3. NOMINAL SENSITIVITY AT 1000 Hz IS dB RELATIVE TO 20μPα. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT 1000 Hz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	+3.5	+5.5	+7.5
500	+0.0	+2.0	+4.0
1000	-2.0	103.0	+2.0
1510-2310	-1.0	+2.0	+5.0
2900	-8.0		

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 (%)
6 4 0	0.127	0	6
960	0.127	0	6
960	0.254	0	10

TABLE 2

# TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.127 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	26.3 OHMS ± 10%
IMPEDANCE @ 500 Hz	56 OHMS ± 15%
IMPEDANCE @ I kHz	100 OHMS ± 15%

### TABLE 4

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

TEMPERATURE: OPERATING RANGE FROM 0°C TO 63°C (SENSITIVITY 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
B A	C10115009 C10103592	8-3-13 1-19-06	Active	В

DATE

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

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

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION				1-19-06
			CK. BY	DATE
TITLE:	RFCFIVFR	FEC-26368-102	GJP	1-26-06
	NECETVEN	120 20000 102	APP. BY	DATE
	PERFORMANCE SPECIFICATION	SHT 2.1	GJP	1-26-06