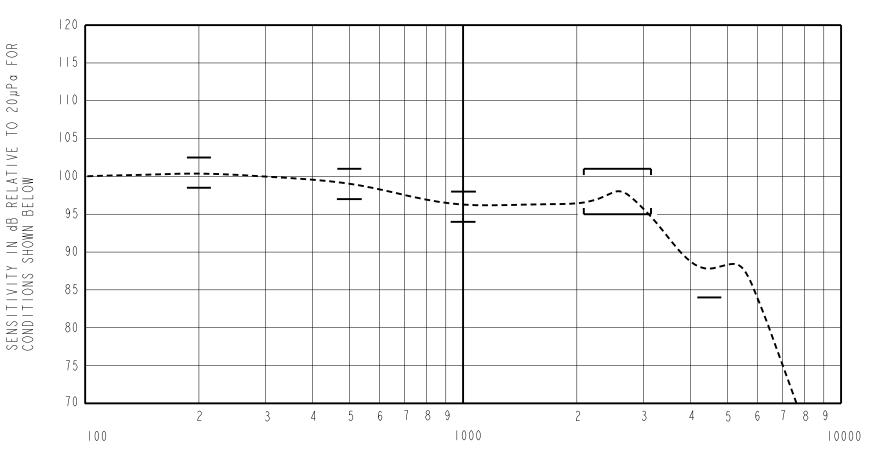


THE FFH-23605-102 IS A FERROFLUID DAMPED FH-23605 RECEIVER WITH A PEAK OF 2dB RELATIVE TO THE SENSITIVITY AT IKHZ UNDER CONSTANT VOLTAGE DRIVE CONDITIONS.

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	4.5	6.5
500	1.0	3.0	5.0
1000	-2.0	96.0	2.0
2100 - 3100	-1.0	2.0	5.0
4500	-12.0		

PORT LOCATION: 12N

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	0.70	0	10
870	0.25	0	6
1300	0.25	0	6

TABLE 2

TEST CONDITIONS

TECT COMBITTON		
NOMINAL SOURCE VOLTAGE	0.25 V rms, 0 mA DC BIAS	
SOURCE IMPEDANCE	< I Ohm	
TUBING		
COUPLER CAVITY	2 CM ³ , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 126)	

TABLE 3

ELECTRICAL

DC RESISTANCE	240 Ohms ± 10%
IMPEDANCE @ 500 Hz	353 Ohms \pm 15%
IMPEDANCE @ IkHz	553 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
	С	C10109708P	10-28-10			\sim
	В	C10103998	3 - 7 - 06	Active		(
	А	C10103482	12-7-05)
	WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION				DR. BY	DATE
	CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			CRG	12-7-05	
				CK. BY	DATE	
	TITLE:	RF	CFIVER	FFH-23605-102	GJP	12-8-05
		11 _	CLIVLIN	1111 23003 102	APP. BY	DATE
		PERFORMAN	NCE SPECIFICATION	SHT 2.1	GJP	12-8-05

KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.