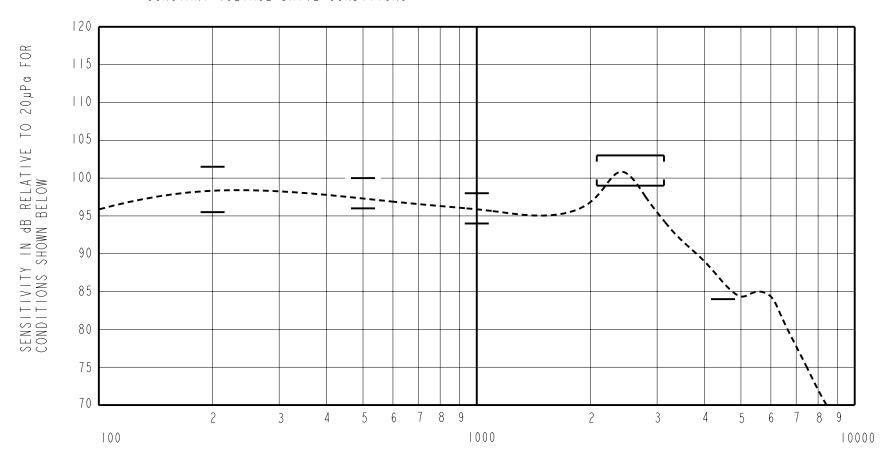


THE FFH-26857-105 IS A FERROFLUID DAMPED AND EXTERNALLY VENTED FH-6553 RECEIVER WITH A PEAK OF 5dB RELATIVE TO THE SENSITIVITY AT IKHZ UNDER CONSTANT VOLTAGE DRIVE CONDITIONS.

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	-0.5	+2.5	+5.5
500	0.0	+2.0	+4.0
1000	-2.0	96.0	+2.0
2100 - 3100	+3.0	+5.0	+7.0
4500	-12.0		

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	0.789	0	10
870	0.280	0	6
1300	0.280	0	6

TABLE 2

## TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	0.280 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 126)

TABLE 3

## **ELECTRICAL**

DC RESISTANCE	241 Ohms ± 10%
IMPEDANCE @ 500 Hz	$343$ Ohms $\pm$ $15\%$
IMPEDANCE @ IkHz	522 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. STORAGE RANGE FROM -40°C TO 63°C

	Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
				_	
				l Released	}
ı	D	C10105793	5-8-07		

DATE

PORT LOCATION: 12N

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

WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION PR. BY CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION CRG

ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			CRG	12-7-05
				DATE
TITLE:	RECEIVER	FFH-26857-105	GJP	12-8-05
	NECETTEN	1111 20001 100	APP. BY	DATE
	PERFORMANCE SPECIFICATION	SHT 2.1	GJP	12-8-05

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