

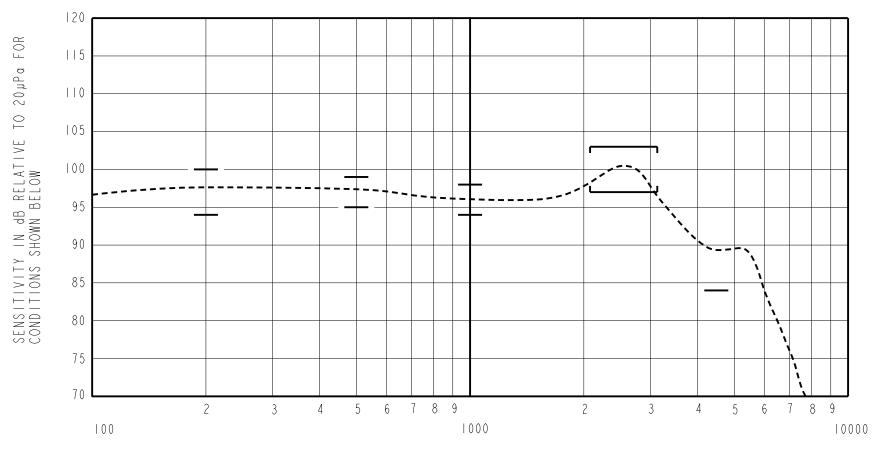
PORT LOCATION: 12S

RELEASE LEVEL

REVISION

THE FFH-23469-104 IS A FERROFLUID AND TYPE III DAMPED FH-23469 RECEIVER WITH A PEAK OF 4dB 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	-2.0	1.0	+4.0
500	-1.0	+ . 0	3.0
1000	-2.0	96.0	2.0
2100-3100	+ . 0	+4.0	+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	0.733	0	10
870	0.260	0	6
1300	0.260	0	6

TABLE 2

TEST CONDITIONS

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NOMINAL SOURCE VOLTAGE	0.260 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	<i ohm<="" th=""></i>
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	360 OHMS ± 15%
IMPEDANCE @ IkHz	564 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))

Revision C.O. # Implementation Date

STORAGE RANGE FROM -40°C TO 63°C

	B C10109708 A C1010348		Active		В
S	CRITERIA, CORRELATIO	ISED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR NT AND TEST METHOD VARIATION		DR. BY CRG CK. BY	DATE 2 - 7 - 05 DATE
	TITLE: R	ECEIVER	FFH-23469-104	GJP APP. BY	1 2 - 8 - 0 5 DATE
	PFRF∩RM	ANCE SPECIFICATION	SHT 2 I	G ID	12-8-05

KNOWLES ELECTRONICS
ITASCA, ILLINOIS U.S.A.