

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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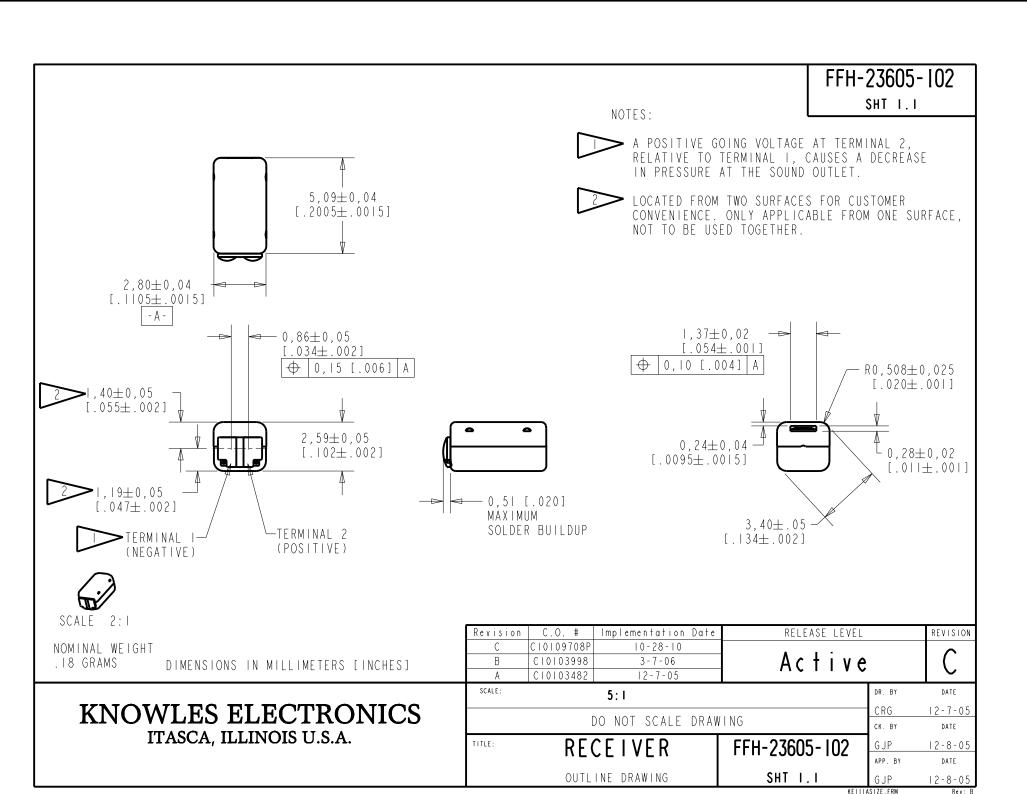
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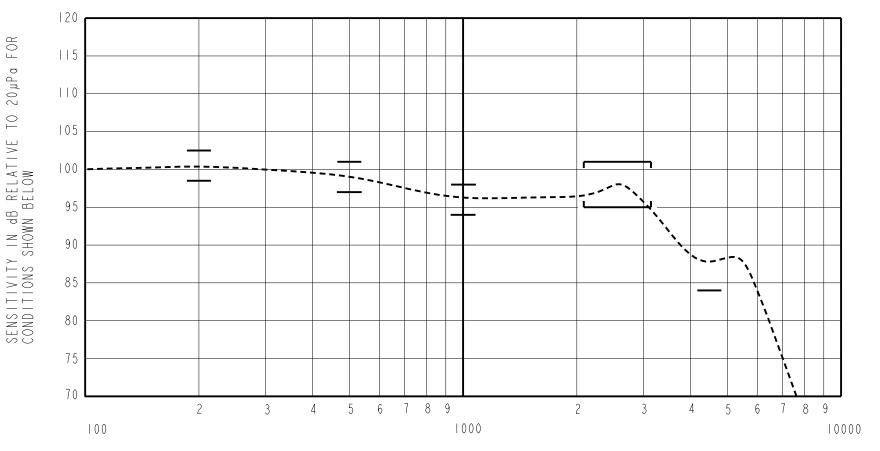






THE FFH-23605-102 IS A FERROFLUID DAMPED FH-23605 RECEIVER WITH A PEAK OF 2dB RELATIVE TO THE SENSITIVITY AT IKHZ UNDER CONSTANT VOLTAGE DRIVE CONDITIONS.

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

I ECT COMBITIONS	
NOMINAL SOURCE VOLTAGE	0.25 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	<1 Ohm
TUBING	
COUPLER CAVITY	2 CM <sup>3</sup> , 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		(
A	C10103482	12-7-05			
			NCOMING INSPECTION ACCEPTANCE/REJECTION DR. BY WITH KNOWLES IS ALSO REQUIRED FOR CRG		DATE
		PF TEST EQUIPMENT WITH KNO IT AND TEST METHOD VARIAT			12-7-05
				CK. BY	DATE
TITLE:	RF	CFIVFR	FFH-23605-102	GJP	12-8-05
	1, _	CLIVEN	1111 20003 102	APP. BY	DATE

SHT 2.1

PERFORMANCE SPECIFICATION

12-8-05

GJP

<b>KNOWLES ELECTRONICS</b>
ITASCA, ILLINOIS U.S.A.