

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!



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FK-23989-000 SHT I.I NOTES: ➤ A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL I, CAUSES A DECREASE 5.00 ± 0.03 IN PRESSURE AT THE SOUND OUTLET. $[.197\pm.001]$ LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER. $2,73\pm0,04$ $[.1075\pm.0015]$ **■** 1,37±0,03 $[.054 \pm .001]$ $0.43 \pm 0.03 0.81 \pm 0.05 [.0.7\pm.001]$ $-R0,41\pm0,03$ $[.032 \pm .002]$ $[.016\pm.001]$ (4 PLS) $1,93\pm0.05$ $[.076\pm.002]$ 2,92±0,05 $[.115\pm.002]$ $1,12\pm0,05$ $0,28\pm0,03$ -0,51 [.020] $[.044\pm.002]$ $[.011 \pm .001]$ MAXIMUM SOLDER BUILDUP `─TERMINAL 2 TERMINAL (POSITIVE) (NEGATIVE) -UNUSED TERMINAL, RUBBER SEAL REMOVED FOR BACK VENT AFTER FINAL TEST C.O. # Implementation Date RELEASE LEVEL REVISION Revision Active C10108259P 12-29-08 Ε SCALE 2:1 DIMENSIONS IN MILLIMETERS [INCHES] C10105758 4-26-07 D SCALE: DR. BY DATE 5:1 **KNOWLES ELECTRONICS** CRG 2-6-06 DO NOT SCALE DRAWING CK. BY DATE ITASCA, ILLINOIS U.S.A. TITLE: RECEIVER FK-23989-000 GJP 2-8-06 APP. BY DATE OUTLINE DRAWING SHT I.I

GJP

2-8-06

MECHANICAL

TEMPERATURE: OPERATING:

PORT LOCATION: 12N

SOLDER TYPE: SAC305

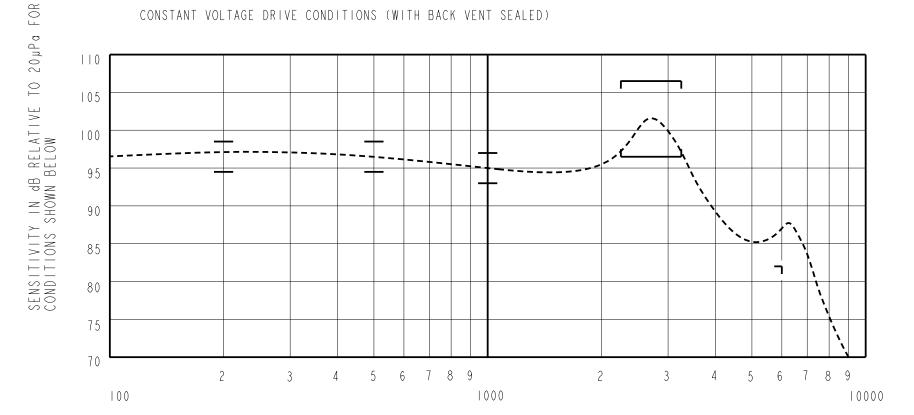
SENSITIVITY WILL NOT VARY

MORE THAN +1/-3 dB FROM -17°C TO 63°C STORAGE: -40°C TO 63°C

SHEET 2.1

AN UNDAMPED AND TUBELESS MAGNETIC BALANCED ARMATURE RECEIVER INTENDED FOR USE IN CIC HEARING INSTRUMENTS OR AS THE LOW FREQUENCY DRIVER IN A HIFI SYSTEM. EXTERNAL BACK VENT IS PROVIDED ON THE CENTER PAD OF TERMINAL.

NOTE: SPECIFICATIONS FOLLOWED BY AN ASTERISK (*) ARE 100% TESTED.



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 20µPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT IKHZ.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-0.5	+1.5	+3.5
500	-0.5	+1.5	+3.5
1000	-2.0	95.0	+2.0
2250 - 3250	+3.5	+6.5	+9.5
6000	-13.0		

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 (%)
920	0.174	0	5
1380	0.174	0	5
920	0.491	0	10

TABLE 2

TEST CONDITIONS

TEOT CONDITIONS	
NOMINAL SOURCE VOLTAGE	0.174 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	100 Ohms ± 10%*
IMPEDANCE @ 500 Hz	
IMPEDANCE @ IkHz	145 Ohms ± 15%*

TABLE 4

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

	Revision	C.O. #	Implementation Date	KELEASE LEVEL		KEA1210N
	E	C10108259P C10105758	12-29-08 4-26-07	Active		E
				INSPECTION ACCEPTANCE/REJECTION	DR. BY	DATE
ENIONIEC EL ECTRONICC	CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			CRG	2-6-06	
KNOWLES ELECTRONICS					CK. BY	DATE
ITASCA, ILLINOIS U.S.A.	TITLE:	RF	CEIVER	FK-23989-000	GJP	2-8-06
11110011, 122111010 0.0.11.		1, _	OLIVEN	110 20000 000	APP. BY	DATE
		PERFORMAN	ICE SPECIFICATION	SHT 2.1	GJP	2-8-06