# mail

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.

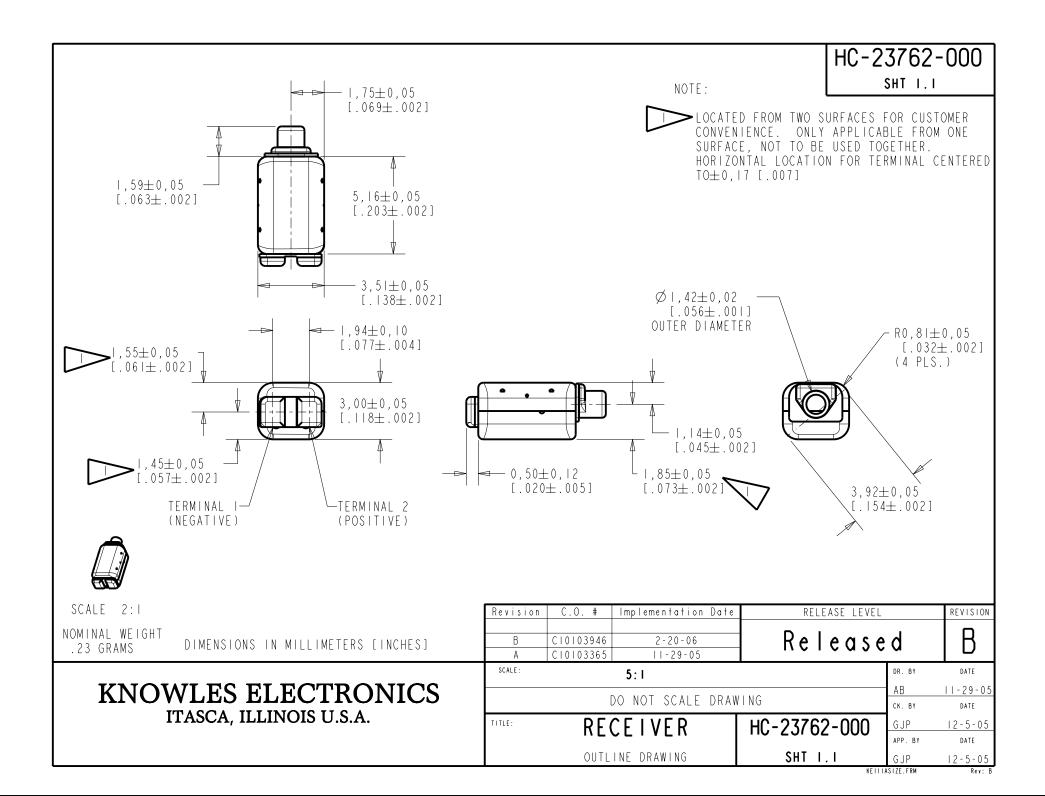
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

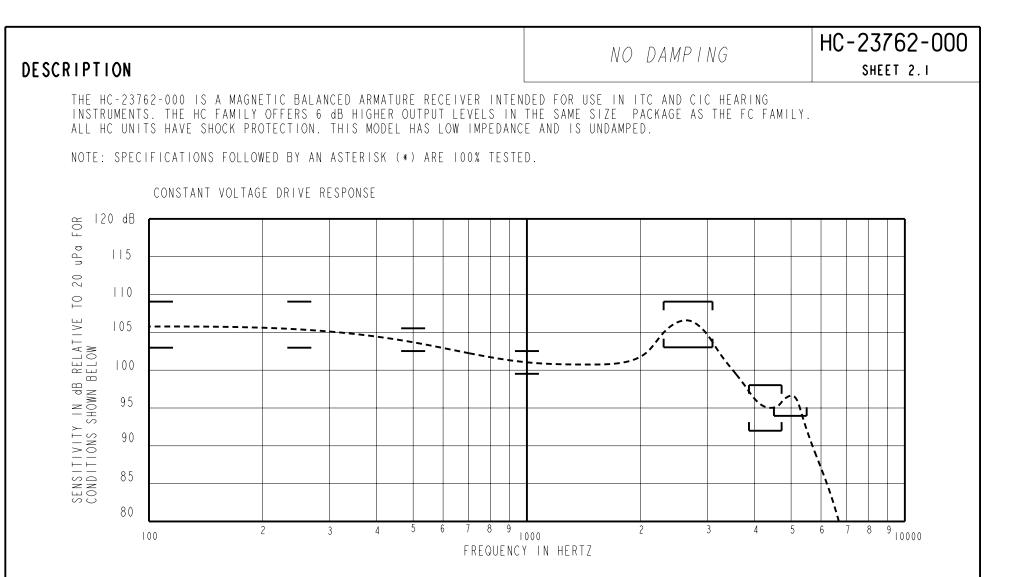


## Contact us

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### ACOUSTICAL

### SENSITIVITY\*

DEVICE WILL PRODUCE THE SPL LISTED BELOW WUTH THE TEST CONDITIONS DESCRIBED IN TABLES 3. NOMINAL SENSITIVITY AT I kHz IS dB RELATIVE TO 20uPa. ALL OTHER VALUES IN dB RELATIVE TO THE SENSITIVITY AT I kHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
100	+ 2	+ 5	+ 8
250	+ 2	+ 5	+ 8
500	Ι.5	+ 3	+4.5
1000	-1.5	101.0	+ .5
2300-3100 PEAK	+ 2	+ 5	+ 8
3680-4720 VALLEY	- 9	- 6	- 3
4500-5500 PEAK	- 7		

TABLE I.

TOTAL HARMONIC DISTORTION\* DEVICE WILL NOT EXCEED TOTAL HARMONIC DISTORTION LEVELS LISTED BELOW.

FREQUENCY (Hz)	DRIVE (V RMS)	DC BIAS (MA)	LIMIT (%)	
900	0.071 V	0	5	
1350	0.071 V	0	5	
500	0.2 V	0	10	
TABLE 2	0.2 1	V	10	

TEST CONDITIONS

## ELECTRICAL

DC RESISTANCE	7.4Ω ±10%	*
IMPEDANCE @ 500 Hz	2Ω ± 5%	*
IMPEDANCE @ I kHz	20.8\(\Omega\) ±20%	*
INDUCTANCE @ 500Hz	3mH ±15%	
CAPACITANCE @ IO MHz	6pF ±20%	

TABLE 4.

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

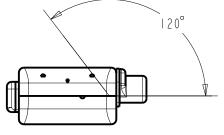
#### MAGNETIC RADIATION

WORST CASE: FIELD WILL BE LESS THAN LEVEL STATED BELOW AT AMPLIFIER CLIPPING (.920 V).

134 dB re IµA/m DISTANCE OF 6.3 mm FROM CENTER OF RECEIVER ANGLE OF 120 DEGREES FROM TUBE

## MECHANICAL

PORT LOCATION: 12C



SOLDER TYPE: 96.5% Sn, 3% Ag, 0.5% Cu (LEAD FREE)

#### TEMPERATURE

OPERATING: SENSITIVITY WILL NOT VARY MORE THAN +1/-3 dB FROM -17°C TO 63°C STORAGE: -40°C TO 63°C

NOMINAL SOURCE VOLTAGE 0.071 Vrms, 0 Vdc BIAS	RELIABILITY
SOURCE IMPEDANCE < I $\Omega$	UNITS WILL SURVIVE ANY OF THE FOLLOWING ACCELERATED
TUBING I0 mm (.394) LONG, I mm (.039) ID.	LIFE TESTS, REPORT AVAILABLE FROM QA DEPARTMENT
COUPLER CAVITY 2 CC SIMULATED ANSI S3.7 TYPE HA-3, (IEC 126)	HALT TEST (8 WEEKS, 63°C, 95% RH, 0.83V, 500 Hz SIGNAL)
TABLE 3.	HIGH TEMPERATURE STORAGE (63°C, 72 HOURS) LOW TEMPERATURE STORAGE (-40°C, 72 HOURS)
POLARITY * POSITIVE SIGNAL APPLIED TO TERMINAL 2 WILL PRODUCE A DECREASE IN SOUND PRESSURE AT THE SOUND OUTLET.	DAMP HEAT CYCLING (ALTERNATE 25°C TO 63°C, 93% RH, 20 CYCLES) THERMAL SHOCK (-40°C TO 63°C, 5 CYCLES) SOLDER/DESOLDER CYCLING (5 CYCLES) SOLDER PAD STRENGTH (STRENGTH > 1.8 LBS.) STRESS TEST (1.32 Vrms AT 2700 Hz SIGNAL, I HOUR) MECHANICAL SHOCK LEAK TEST AFTER AGING (NO LEAK AFTER ANY OF THE ABOVE TESTS)

	Revision	C.O. #	Implementation Date	RELEASE LEVEL		REVISION
	B	CI0I03946 CI0I03365	2 - 20 - 06     - 29 - 05	Released		В
KNOWLES ELECTRONICS ITASCA, ILLINOIS U.S.A.	WHEN TEST LIMITS ARE USED TO ESTABLISH INCOMING INSPECTION ACCEPTANCE/REJECTION CRITERIA, CORRELATION OF TEST EQUIPMENT WITH KNOWLES IS ALSO REQUIRED FOR ELIMINATION OF EQUIPMENT AND TEST METHOD VARIATION			dr. by AB ck. by	DATE     - 2 9 - 0 5 DATE	
	TITLE:	RE	CEIVER	HC-23762-000	GJP app. by	2 - 5 - 0 5 DATE
		PERFORMAN	ICE SPECIFICATION	SHT 2.1	GJP	2-5-05