



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

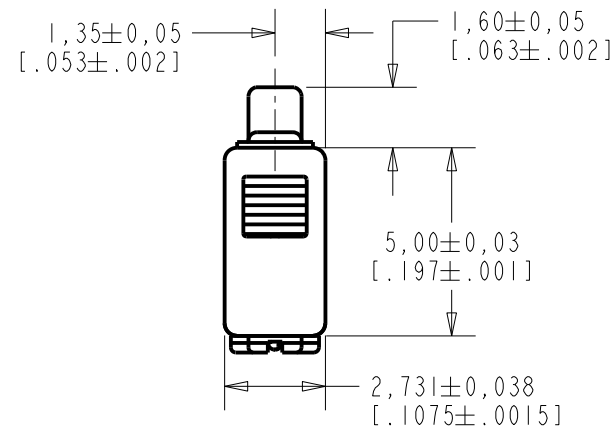
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**SWFK-31736-000**

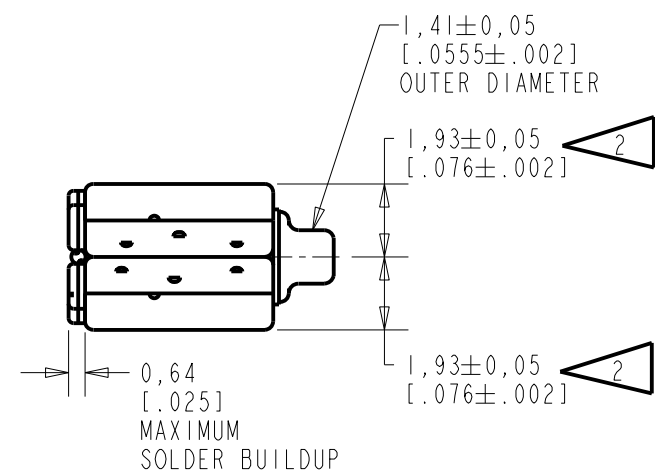
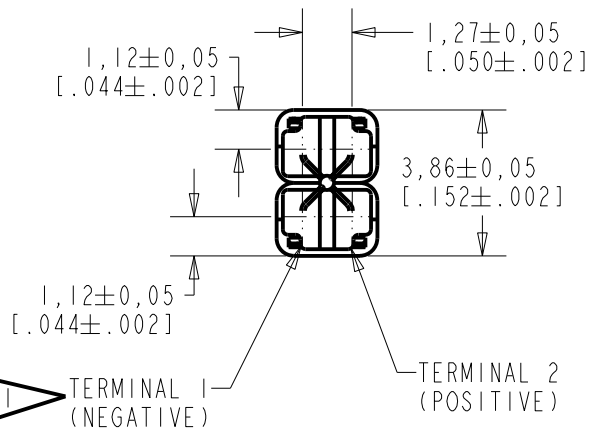
**SHT 1.1**



NOTES:

- 1 A POSITIVE GOING VOLTAGE AT TERMINAL 2, RELATIVE TO TERMINAL 1, CAUSES A DECREASE IN PRESSURE AT THE SOUND OUTLET.
- 2 LOCATED FROM TWO SURFACES FOR CUSTOMER CONVENIENCE. ONLY APPLICABLE FROM ONE SURFACE, NOT TO BE USED TOGETHER.

**RED CONTROLLED**



SCALE 2:1  
 NOMINAL WEIGHT 0.19 GRAMS  
 DIMENSIONS IN MILLIMETERS [INCHES]

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Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
A	CI0114785P	11-11-13	<b>Active</b>	<b>A</b>
SCALE: 5:1			DR. BY DATE	
DO NOT SCALE DRAWING			OQ 11-11-13	
TITLE: RECEIVER			CK. BY DATE	
OUTLINE DRAWING			GJP 11-13-13	
SWFK-31736-000			APP. BY DATE	
SHT 1.1			GJP 11-13-13	

A PAIR OF MAGNETIC BALANCED ARMATURE RECEIVERS WITH TAPERED REED INTENDED FOR USE AS THE HIGH FREQUENCY DRIVER IN A HI-FI SYSTEM.

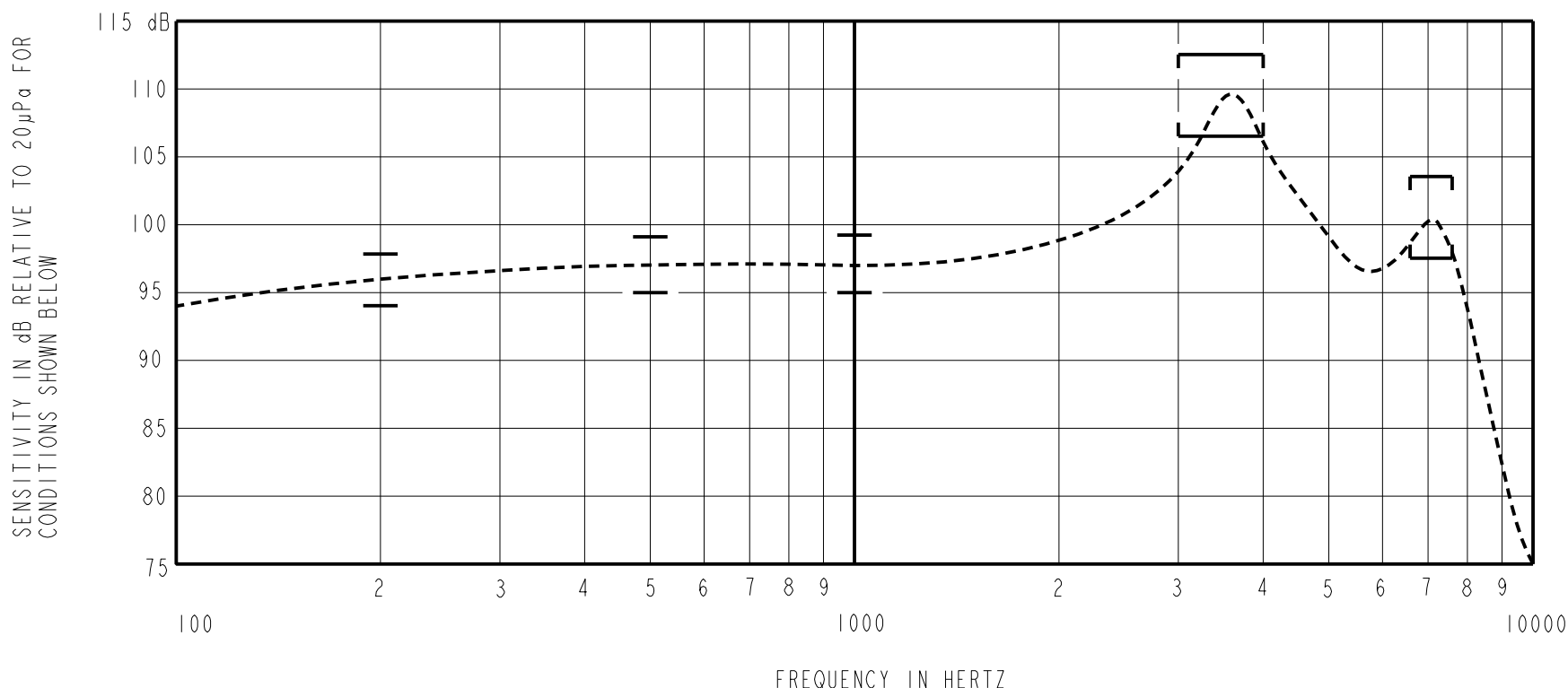
NO DAMPING

SWFK-31736-000

SHEET 2.1

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

CONSTANT VOLTAGE CONDITIONS



### ACOUSTICAL

SENSITIVITY\*  
 DEVICE WILL PRODUCE THE SPL LISTED BELOW UNDER TEST CONDITION IN TABLE 3.  
 NOMINAL SENSITIVITY AT 1kHz IS dB RELATIVE TO 20 μPa. ALL OTHER VALUES  
 IN dB RELATIVE TO THE SENSITIVITY AT 1kHz.

FREQUENCY (Hz)	MINIMUM	NOMINAL	MAXIMUM
200	-3.0	-1.0	+1.0
500	-2.0	0.0	+2.0
1000	-2.0	97.0	+2.0
3000-4000 PEAK	+9.5	+12.5	+15.5
6600-7600 PEAK	+0.5	+3.5	+6.5

TABLE 1

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

FREQUENCY (Hz)	AC DRIVE (V rms)	DC BIAS (V)	LIMIT (%)
1166	.094	0	5
1750	.094	0	5
1750	.265	0	10

TABLE 2

### TEST CONDITIONS

NOMINAL SOURCE VOLTAGE	.094 V rms, 0 mA DC BIAS
SOURCE IMPEDANCE	<0.2 Ohm
TUBING	10mm [.394"] LONG, 1mm [.039"] I.D.
COUPLER CAVITY	2 CM <sup>3</sup> , SIMULATED ANSI S3.7 TYPE HA-3 (IEC 60318-5)

TABLE 3

### ELECTRICAL

DC RESISTANCE	6.3 Ohms ± 10%*
IMPEDANCE @ 500 Hz	6.6 Ohms ± 20%*
IMPEDANCE @ 1kHz	7.0 Ohms ± 20%*

TABLE 4

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

### MECHANICAL

PORT LOCATION: 12S  
 SOLDER TYPE: SAC305  
 TEMPERATURE  
 OPERATING: SENSITIVITY WILL NOT VARY MORE  
 THAN +1 / -3 dB FROM -17°C TO 63°C.  
 STORAGE: -40°C TO 63°C.

Revision	C.O. #	Implementation Date	RELEASE LEVEL	REVISION
			Active	A
A	CI0114785P	11-11-13		
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	DATE
TITLE: RECEIVER PERFORMANCE SPECIFICATION			OO	11-11-13
			GJP	11-13-13
SWFK-31736-000			APP. BY	DATE
SHT 2.1			GJP	11-13-13

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