



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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**MODEL:** RC-1506S-1  
**PRODUCT:** Dynamic Receiver  
**EDITION:** A/2016

Soberton Inc.

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## THIS SPECIFICATION COVERS OUR PRODUCT OF DYNAMIC RECEIVER UNIT FOR MOBILE TELEPHONE USE

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### RECEIVER ELECTROACOUSTIC CHARACTERISTICS

test set up	Measuring conditions and procedures shown in Fig. 1
ac impedance	$32 \pm 20\% \Omega$ (@2KHz 1V) without baffle
sound pressure level	113±3dB SPL @1.0KHz Sine Wave 179mV with IEC318(0dB SPL=20μPa)
measuring condition	1mW (Sine wave) with baffle
frequency response curve	As shown in Fig. 2
rated noise power	20mW normal at a white noise (10mW, 200-3.4KHz) for one minute
short term max power	30mW
operation test	Must be of free audible noise (buzzes and rattles) (200 ~ 3.4KHz frequency range, input level up to 0.8Vrms)
distortion	Less than 10% @1KHz 179mV
dimension	15 x 6 x 5.5 mm

### GENERAL SPECIFICATIONS

operating temperature range	-20°C ~+60°C
storage temperature range	-30°C~+70°C
standard test conditions	
temperature	17°C ~25°C
relative humidity	45%~80%(RH)

### RELIABILITY TESTS

The sound pressure as specified shall neither deviate more than ±3dB from the initial value nor any significant damage after any of following testing.

#### HIGH TEMPERATURE TEST

high temperature	+60±2°C
duration	96 hours

#### LOW TEMPERATURE TEST

low temperature	-20±2°C
duration	96 hours

#### HEAT SHOCK TEST

high temperature	+60±2°C
low temperature	-20±2°C
changeover time	<30 seconds
duration	1 hour
cycle	100

#### HUMIDITY TEST

temperature	+ 40±2°C
relative humidity	90%~95%
duration	96 hours



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**RELIABILITY TESTS** (Continued)

**TEMPERATURE CYCLE TEST**

temperature	-20°C +60°C
duration	45minutes 45minutes
temperature gradient	1~3°C/min
cycle	25

**DROP TEST**

mounted with dummy set mass	100 g
height	1.5 m
cycle	6(1 each plain) Onto the concrete board

**LOAD TEST**

Speaker mode	white noise(EIA filter)for 1 hour@20mW input power
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**MEASURING METHOD (SPEAKER MODE)**

**STANDARD**

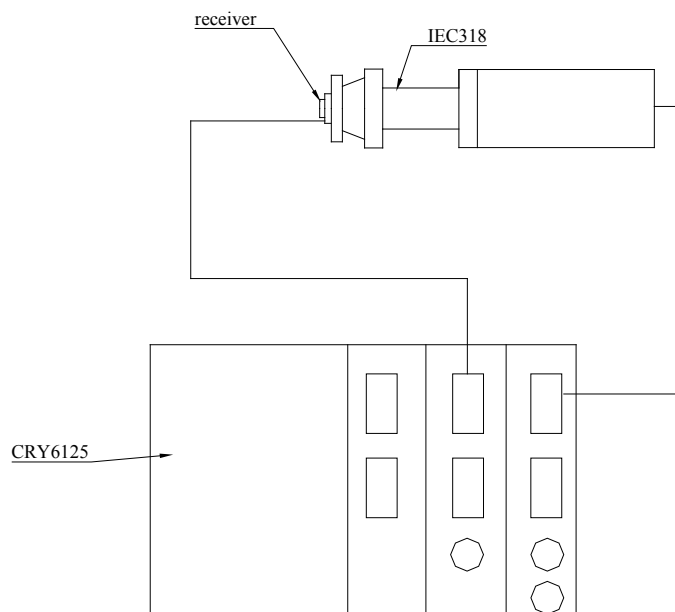
**TEST CONDITION**

temperature	15 ~ 35°C
relative humidity	45% ~ 85%
atmospheric pressure	860mbar to 1060mbar

**STANDARD TEST FIXTURE**

input power	179mW
zero level	-dB
mode	TSR
potentiometer range	50dB
sweep time	0.2sec

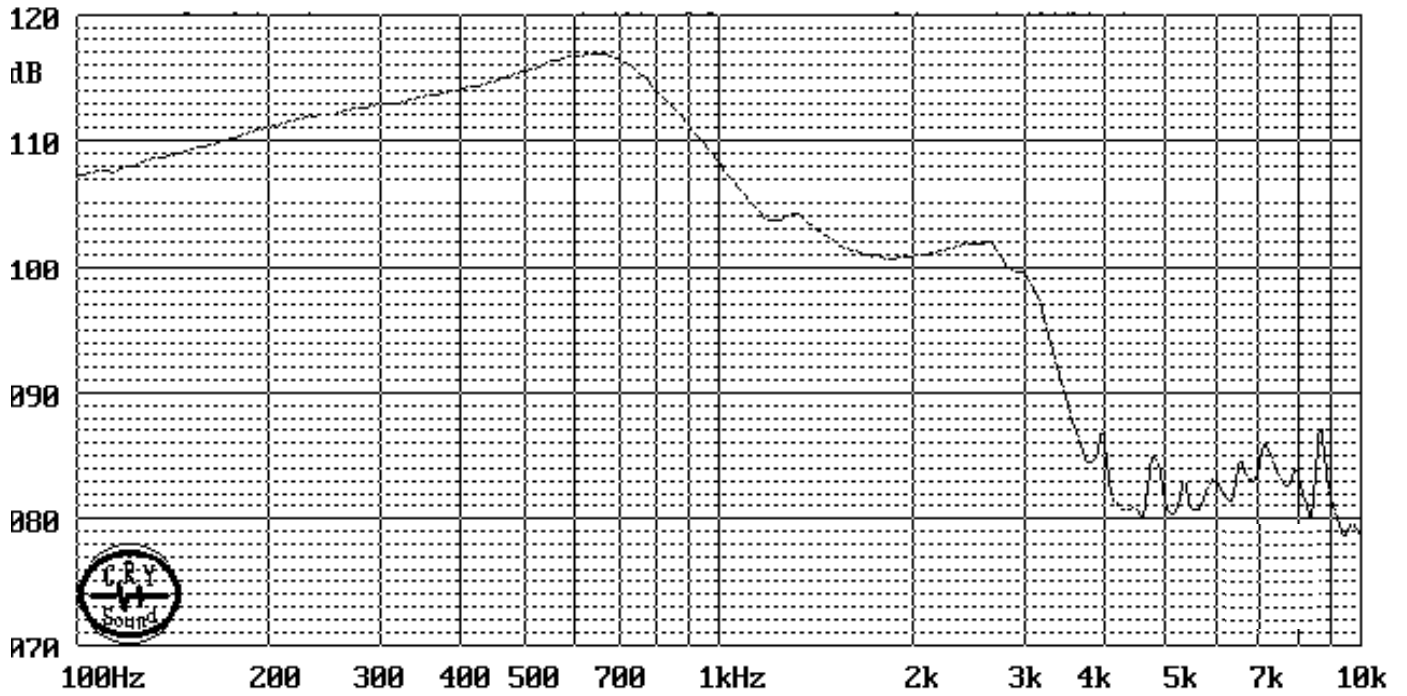
**FREQUENCY RESPONSE CURVE** (Fig. 1)





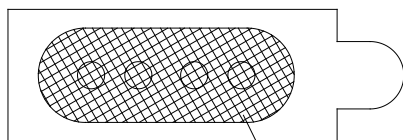
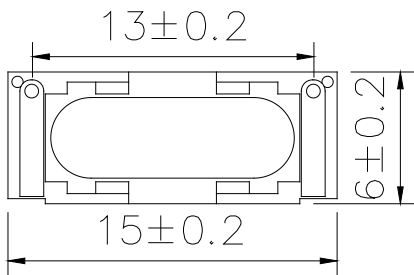
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### FREQUENCY RESPONSE CURVE

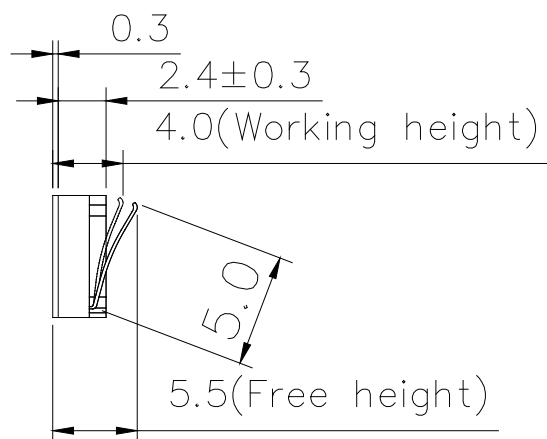


### DIMENSIONS

Tolerance:  $\pm 0.5$  (unit: mm)



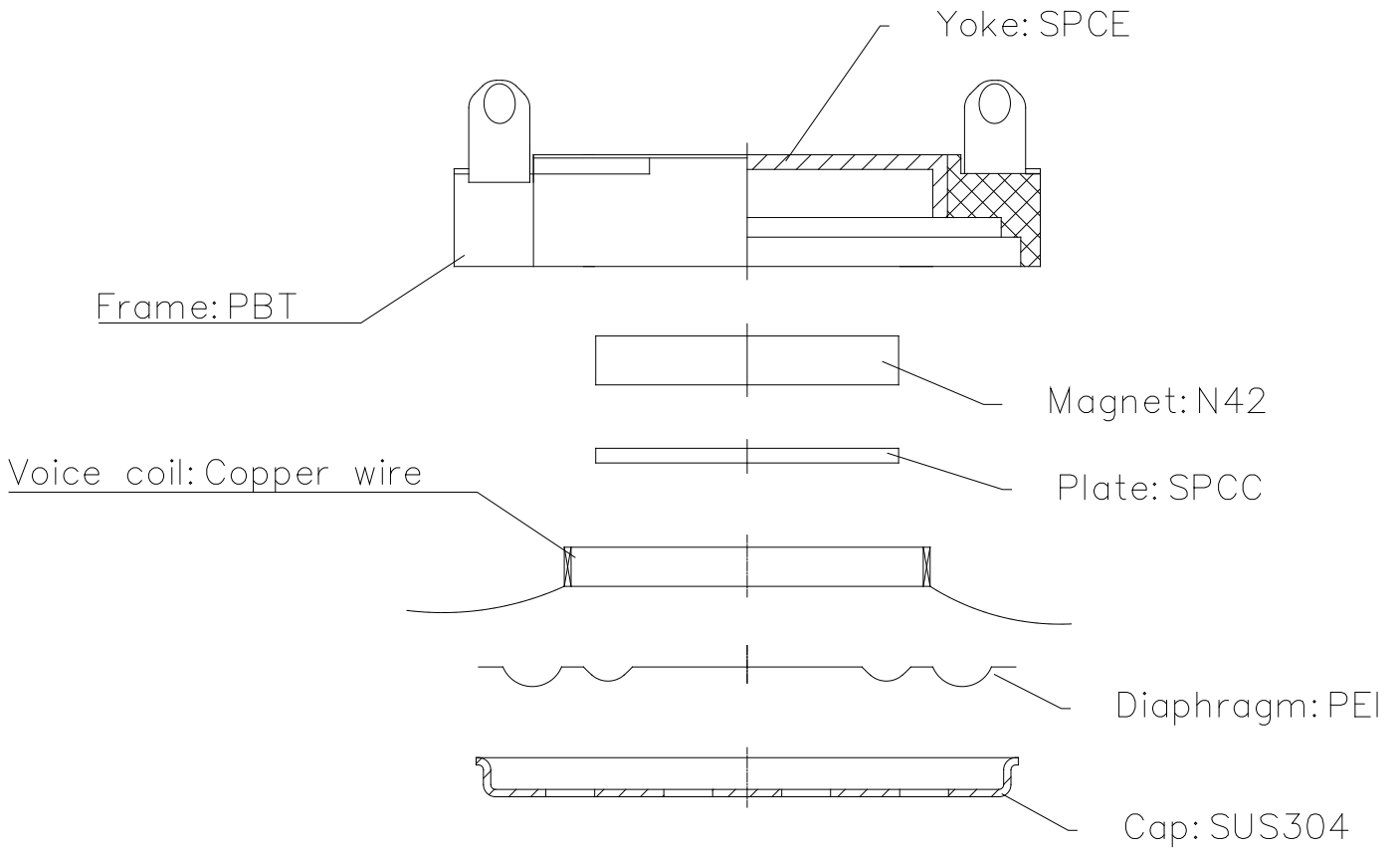
BLACK NET





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**EXPLODED VIEW**



no	item	material	quantity
1	Cap	SUS 304	1
2	Diaphragm	PEI	1
3	Voice Coil	Copper wire	1
4	Plate	SPCC	1
5	Magnet	Nd Fe B	1
6	Frame	PBT	1
7	Yoke	SPCE	1
8	Front Cover	Adhesive	1

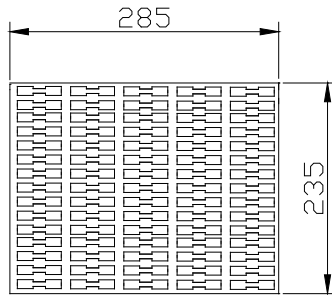


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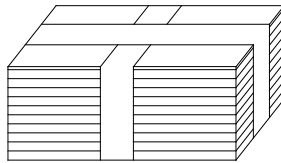
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## PACKING

150PCS



150 X 10 = 1500 PCS



1500 X 5 = 7500 PCS

