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!
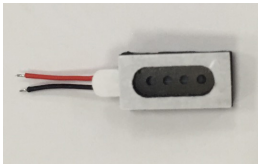
Contact us

MODEL: RC-1206
PRODUCT: Dynamic Receiver
EDITION: A/2016

Soberton Inc.

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

RECEIVER ELECTROACOUSTIC CHARACTERISTICS

test set up	Measuring conditions and procedures shown in Fig. 1
ac impedance	32Ω±15%(@1KHz 1V) without baffler
sound pressure level	110±3dB SPL @1.0KHz Sine Wave 179mV with IEC318(0dB SPL=20μPa)
measuring condition	1mW (Sine wave) with baffler shown in Fig.1
frequency response curve	As shown in Fig. 2
rated noise power	10mW normal at a white noise (10mW,200-3.4KHz) for one minute
short term max power	20mW
operation test	Must be free of audible noise (buzzes and rattles) (200 ~ 3.4KHz frequency range ,input level up to 0.56Vrms)
distortion	Less than 10% @1KHz 179mV
dimension	12 x 6 x 3 mm

GENERAL SPECIFICATIONS

operating temperature range	-20ºC ~+60ºC	
standard test conditions		
	temperature	17ºC ~25ºC
	relative humidity	45%~80%(RH)

RELIABILITY TESTS

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

HIGH TEMPERATURE TEST

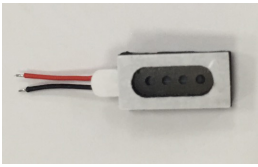|	
high temperature	+60±2ºC
duration	96 hours

LOW TEMPERATURE TEST

low temperature	-30±2ºC
duration	96 hours

HEAT SHOCK TEST

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

RELIABILITY TESTS (Continued)

HUMIDITY TEST

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

TEMPERATURE CYCLE TEST

temperature	-20ºC +60ºC
duration	45minutes 45minutes
temperature gradient	1~3ºC/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 96 hour@10mW input power

MEASURING METHOD (SPEAKER MODE)

STANDARD

TEST CONDITION

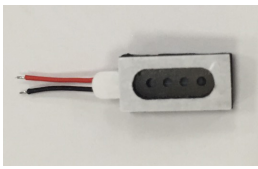|	
temperature	15 ~ 35ºC
relative humidity	45% ~ 85%
atmospheric pressure	860mbar to 1060mbar

STANDARD TEST FIXTURE

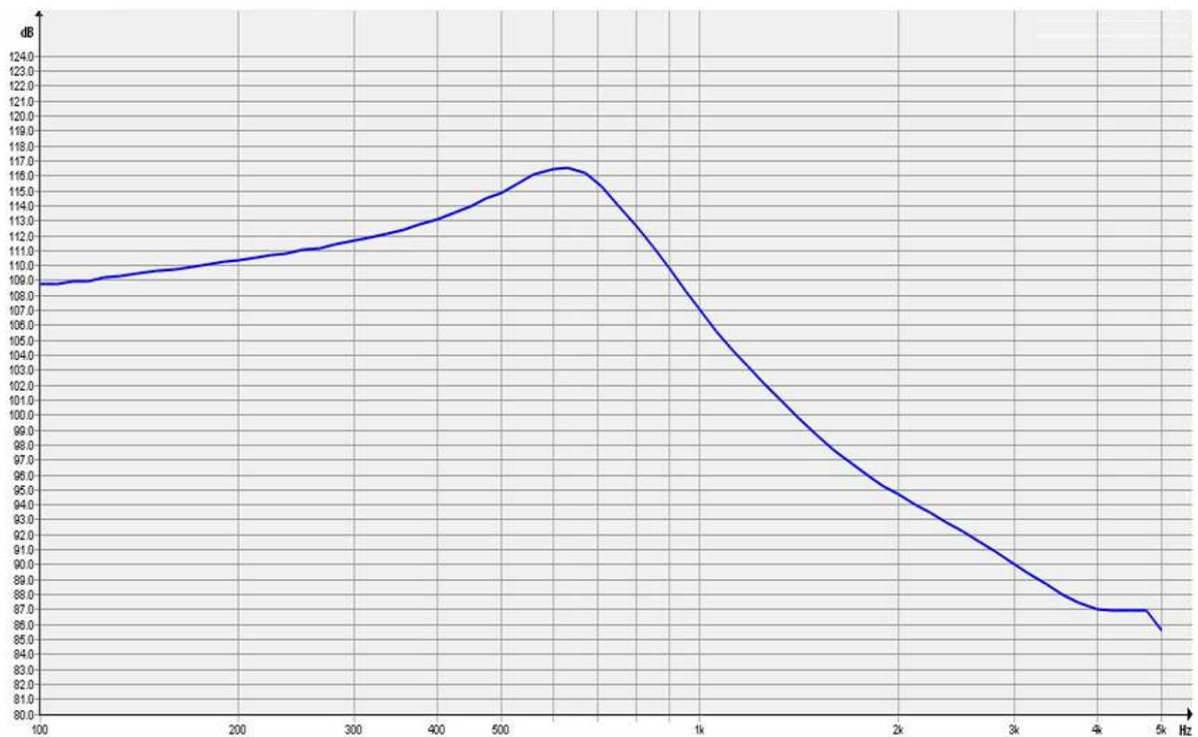|	
input power	179mW
zero level	-dB
mode	TSR
potentiometer range	50dB
sweep time	0.2sec

MEASURING CONDITIONS (Fig. 1)
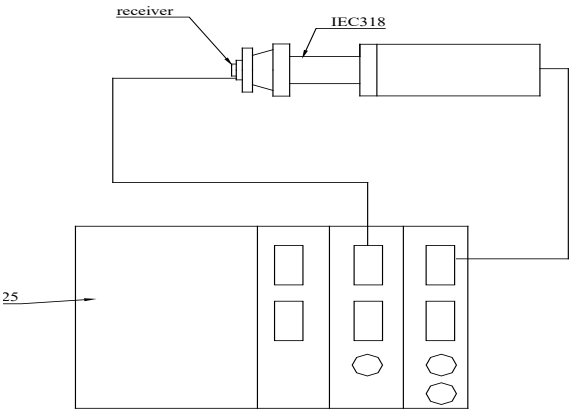
MODEL: RC-1206
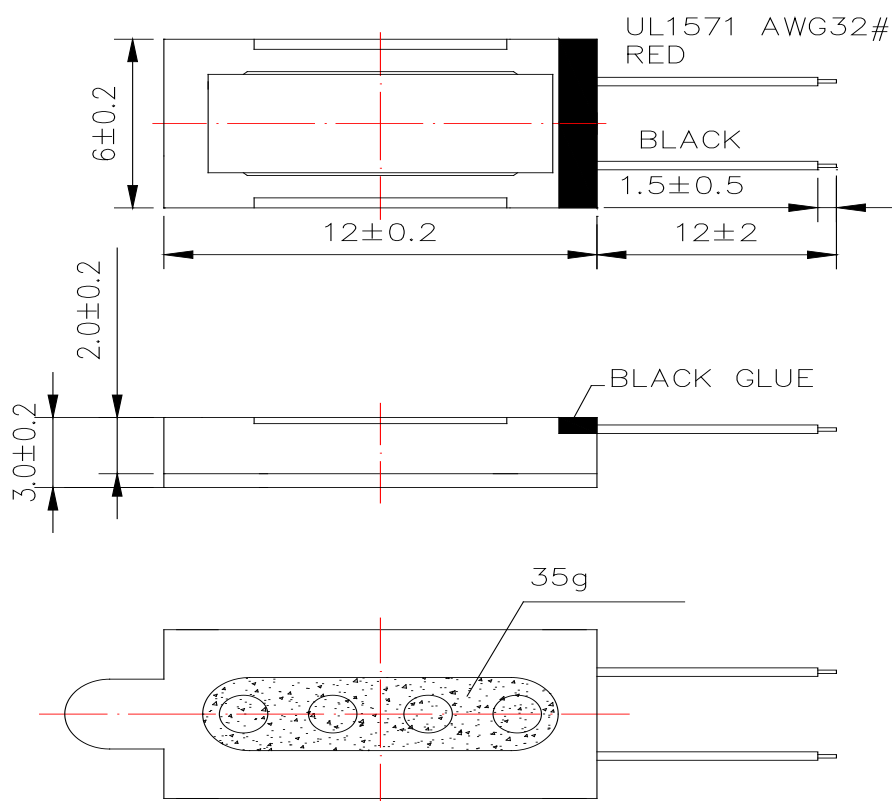**PRODUCT:** Dynamic Receiver
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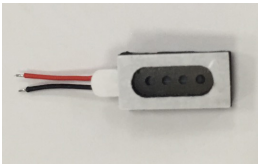
FREQUENCY RESPONSE CURVE (Fig. 2)
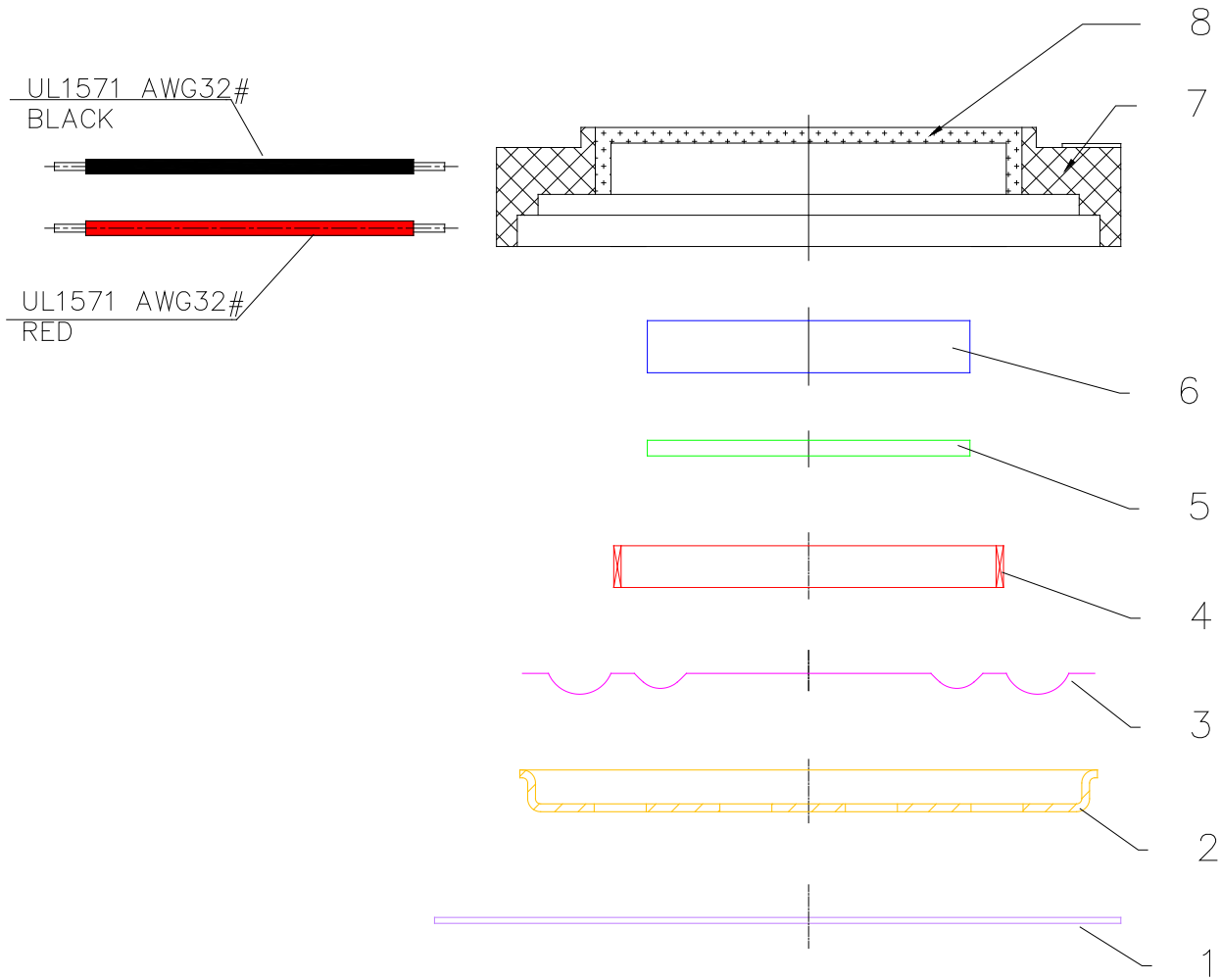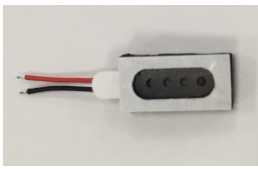

DIMENSIONS
Tolerance:±0.5 (unit: mm)

UL1571 AWG32#
RED

BLACK

1.5±0.5

12±2

6±0.2

12±0.2

2.0±0.2

3.0±0.2

BLACK GLUE

35g

EXPLODED VIEW

UL1571 AWG32#
BLACK

UL1571 AWG32#
RED

no.	part name	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	Black Wire	UL1571 / AWG32	1
9	Red Wire	UL1571 /AWG32	1

PACKING

150PCS

285

235

150 x 10 = 1500PCS

1500 x 5 = 7500PCS

290

590

350

P/O NO.	
MODEL	
Q;TY	PCS
N.W.	
G.W.	
SIZE	