Chipsmall

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
PRODUCT: Dynamic Receiver
EDITION: A/2016

Soberton Inc.

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

RECEIVER ELECTROACOUSTIC CHARACTERISTICS

|	
sound pressure level	108±3dB SPL @1KHz (0dB SPL=20µPa)
input voltage	179mV (Sine wave) measured with IEC318 coupler
resonance frequency (FO)	650±20%Hz at 400mVrms Sine Wave
measuring diagram	Shown in Fig.1
earpiece view	Show in Fig.2
typical frequency response curve	Shown in Fig.3.
rated noise power	20mW.
short-term max.power	50mW
distortion	<5% @ 1KHz Input 179mV
operation test	Must be free audible noise (buzzes and rattles) (300 ~ 3400Hz frequency range ,input level up to 0.8Vrms)

GENERAL SPECIFICATIONS

operating temperature range	-20ºC ~ +60ºC
storage temperature range	-20ºC ~ +60ºC
dc resistance	28±10%Ω
ac impedance	32±20%Ω
dimension	15 x 6 x 4.5 mm

TYPICAL FREQUENCY RESPONSE CURVE
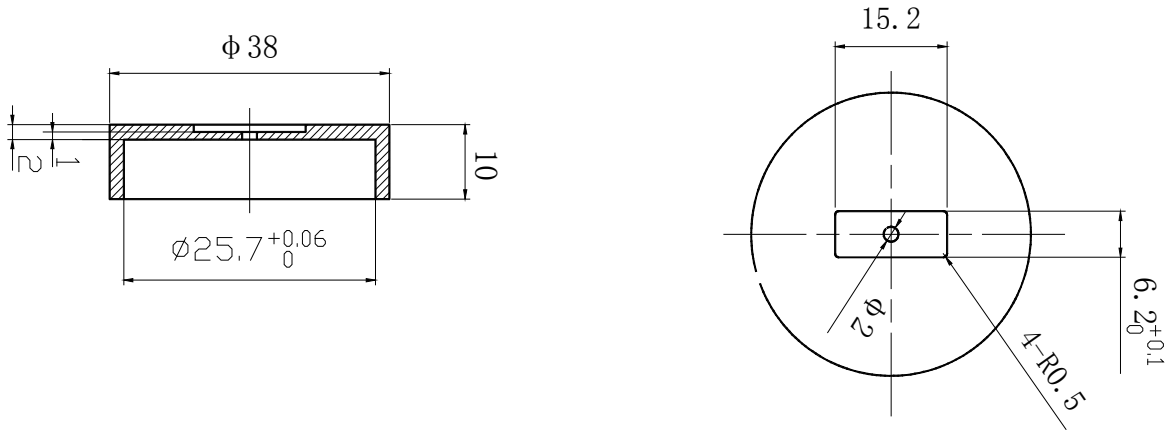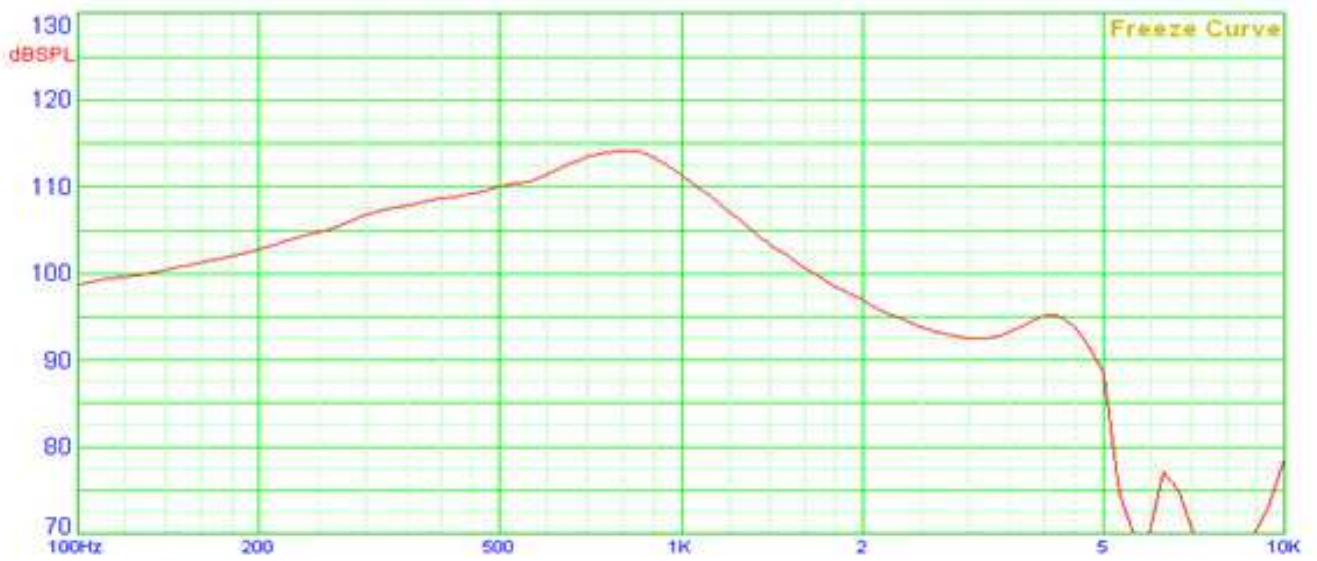
FREQUENCY MEASURING CIRCUIT (RECEIVER MODE) (Fig.1)
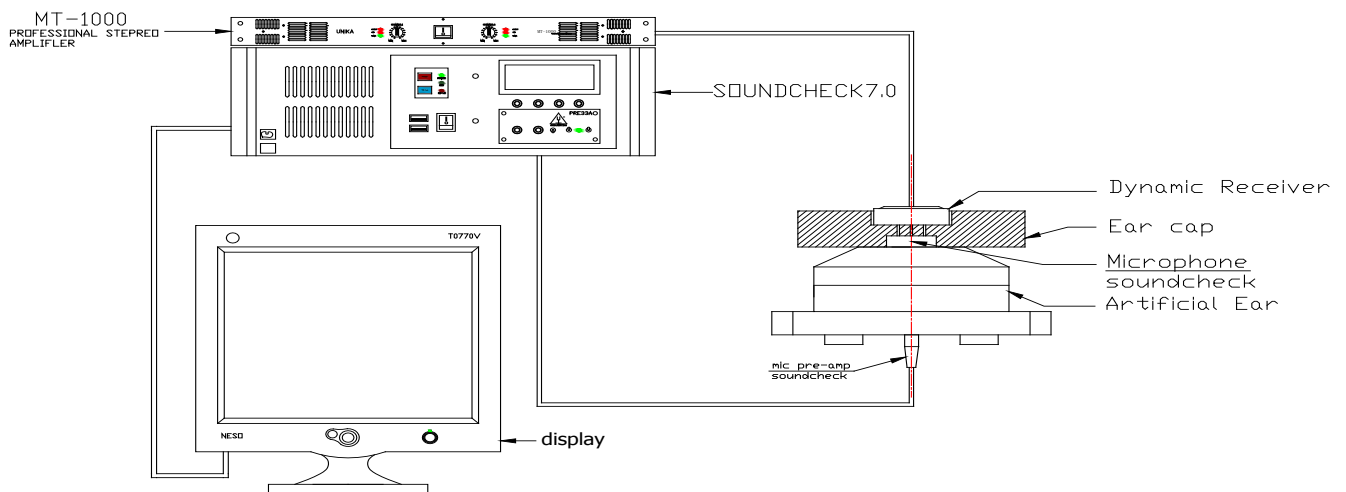
MODEL: RC-1506S
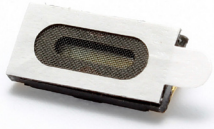**PRODUCT:** Dynamic Receiver
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Soberton Inc.

TYPICAL FREQUENCY RESPONSE CURVE (Continued)

EARPIECE VIEW (Fig.2)

TYPICAL FREQUENCY RESPONSE CURVE (RECEIVER MODE) (Fig.3)

TEST CLIMATIC CONDITIONS

STANDARD TEST CONDITIONS

temperature	15~35ºC
relative humidity	25%~75%(RH)
air pressure	86~106KPa

JUDGEMENT CONDITIONS

temperature	20±1ºC
relative humidity	63%~67%(RH)
air pressure	86~106KPa

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	+65±2ºC
duration	96 hours

LOW TEMPERATURE TEST

low temperature	-40±2ºC
duration	96 hours

HEAT SHOCK TEST (See in Fig.4)

high temperature	+65±2ºC
low temperature	-40±2ºC
changeover time	< 30 seconds
duration	1 hour
cycle	10

HUMIDITY TEST

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

TEMPERATURE CYCLE TEST (See in Fig.5)

temperature	-40ºC +75ºC
duration	45 minutes 45 minutes
temperature gradient	1~3ºC/min.
cycle	5

DROP TEST

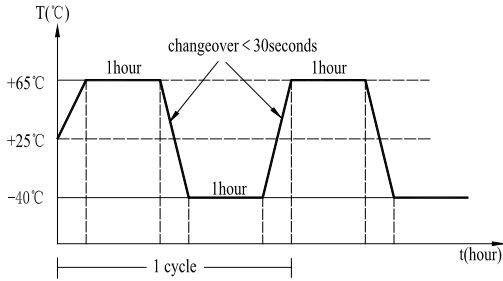|	
mounted with dummy set mass	100 g
height	1.5 m
cycle	6 (1 each plain) onto the concrete board

LOAD TEST

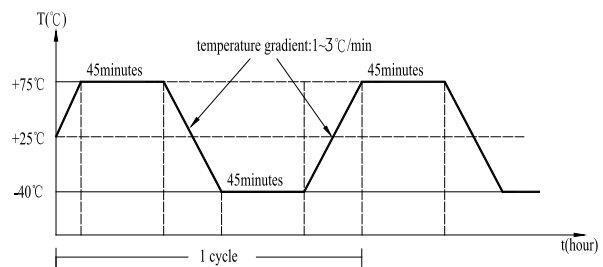|	
noise signal	White noise (EIA filter)
input power	20mW 0.8Vrms White noise single(White noise with JIS filter) 1 minute, 10 times at intervals
duration	96 hours
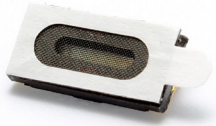
TEST METHOD

HEAT SHOCK TEST (Fig. 4)

TEMP. CYCLE TEST (Fig. 5)

PRODUCT EXTERNAL VIEW AND DIMENSIONS (Fig. 6)

Tolerance±0.2 (unit = mm)

(A)15.0±0.2
(B)6.0±0.2
0.6
(D)Free Position 2.8±0.2
Work Position 2.6±0.2
(C) 2.2±0.1
4.5±0.5
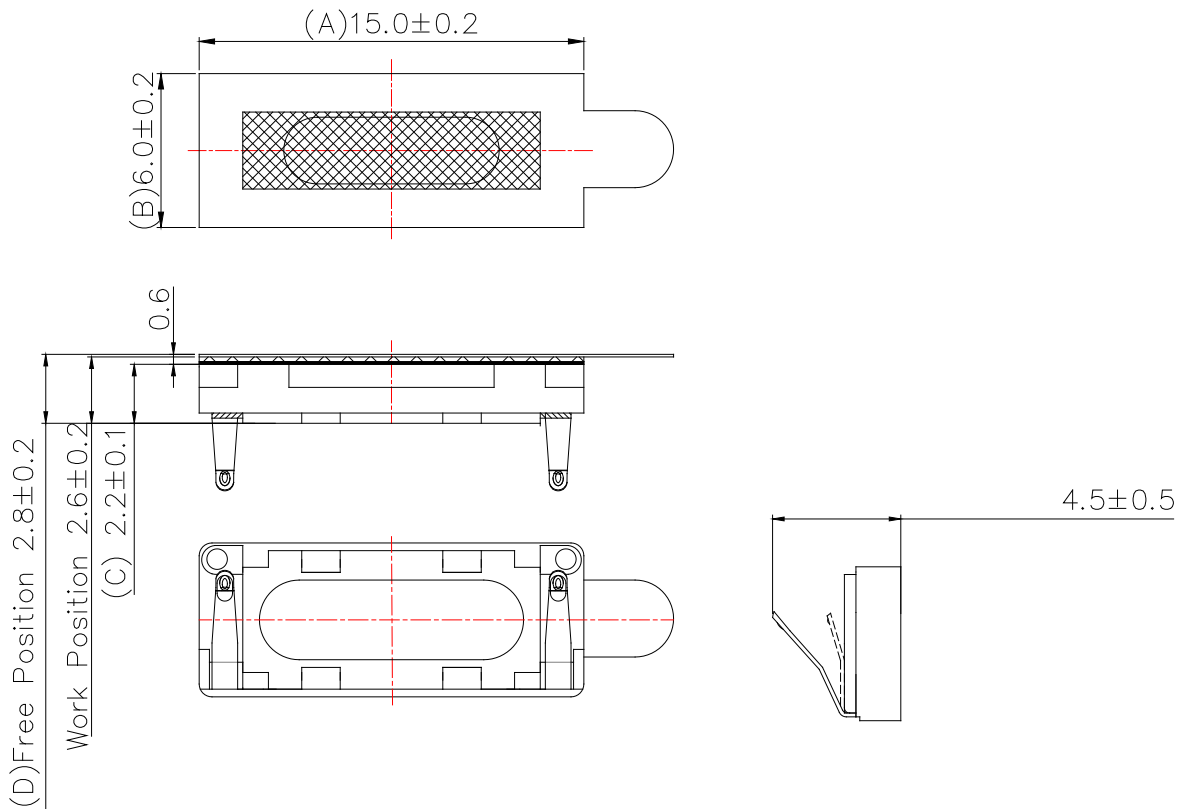
no	item	material	quantity
1	Magnet	Nd-Fe-B	1
2	U-Yoke	Iron	1
3	Pole Piece	Iron	1
4	Terminal	PEI	1
5	Membrane	Steel	1
6	Voice Coil	Copper	1
7	Frame	PBT+15%GF	1
8	Front Cover	SUS304	1
9	Screen	Net Cloth	1

PACKING

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1∗100PCS

10∗100PCS

2∗10∗100=2000PCS