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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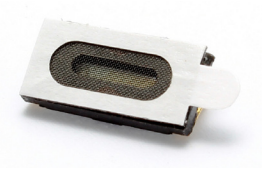


MODEL: RC-1206S
PRODUCT: Dynamic Receiver
EDITION: A/2016

Soberton Inc.

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

RECEIVER ELECTROACOUSTIC CHARACTERISTICS

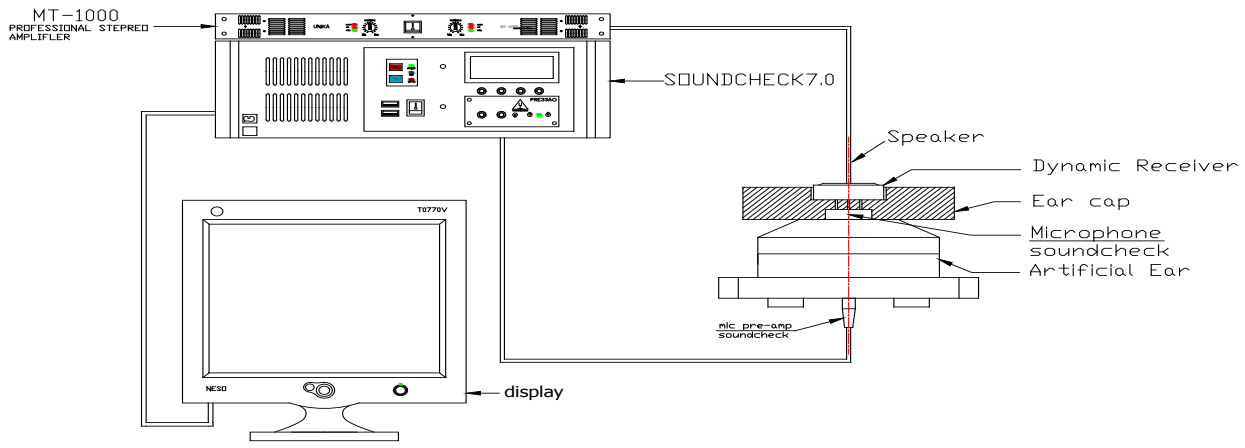
sound pressure level	103±3dB SPL @1KHz (0dB SPL=20μ Pa) Input voltage: 179mV (Sine wave) measured with IEC318 coupler.
resonance frequency (FO)	700±150Hz at 179mVrms Sine Wave
measuring diagram	Shown in Fig.1
earpiece view	Show in Fig.2
typical frequency response curve	Shown in Fig.3.
rated noise power	20mW.
short-term max.power	30mW
distortion	<5% @ 1KHz Input 179mV
operation test	Must be free of audible noise (buzzes and rattles) (300 ~ 3400Hz frequency range , input level up to 0.8Vrms)

GENERAL SPECIFICATIONS

operating temperature range	-20°C ~ +60°C
storage temperature range	-20°C ~ +60°C
dc resistance	28±10%Ω
ac impedance	32±20%Ω(@ 1KHz 179mV)
dimension	12 x 6 x 4.8 mm

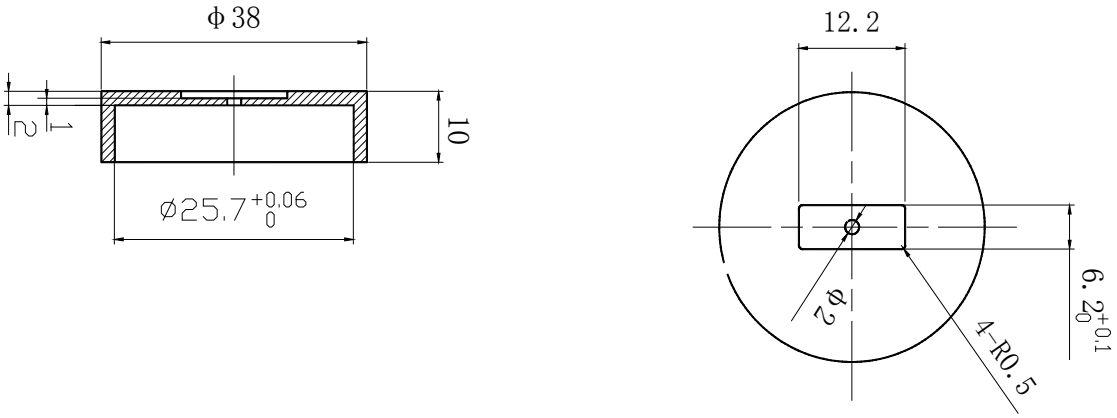
TYPICAL FREQUENCY RESPONSE CURVE

FREQUENCY MEASURING CIRCUIT (RECEIVER MODE) (Fig.1)

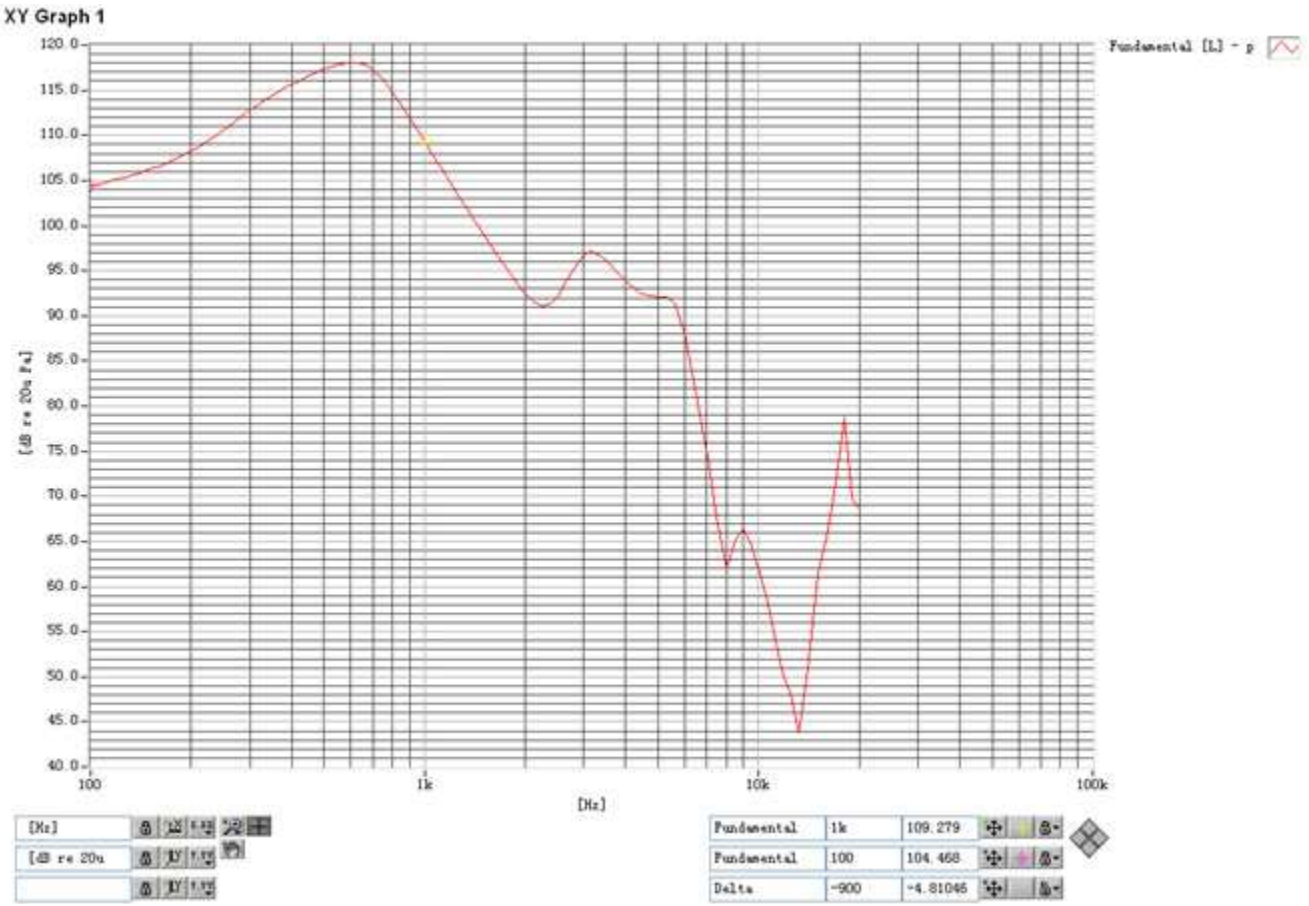


TYPICAL FREQUENCY RESPONSE CURVE (Continued)

EARPIECE VIEW (Fig.2)



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



TEST CLIMATIC CONDITIONS

	STANDARD TEST CONDITIONS	
	temperature	15~35°C
	relative humidity	25%~75%(RH)
	air pressure	86~106KPa

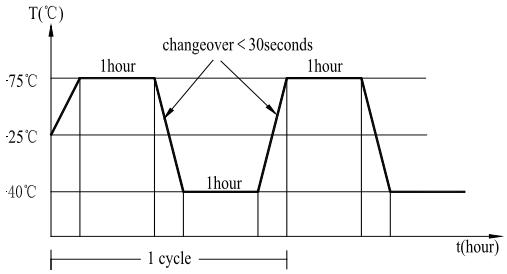
RELIABILITY TESTS

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

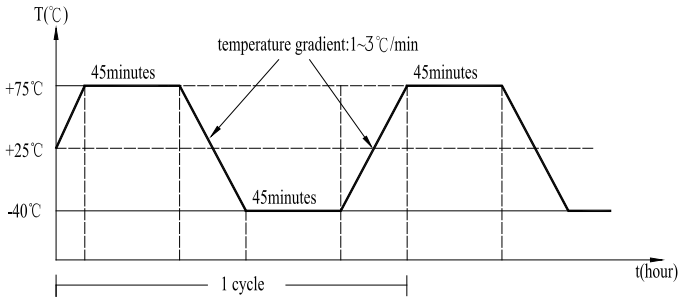
	HIGH TEMPERATURE TEST	
	high temperature	+75±2°C
	duration	96 hours
	LOW TEMPERATURE TEST	
	low temperature	-40±2°C
	duration	96 hours
	HEAT SHOCK TEST (See in Fig. 4)	
	high temperature	+75±2°C
	low temperature	-40±2°C
	changeover time	< 30 seconds
	duration	1 hour
	cycle	10
	HUMIDITY TEST	
	temperature	+40±2°C
	relative humidity	90~95%
	duration	48 hours
	TEMPERATURE CYCLE TEST (See in Fig. 5)	
	temperature	-40°C +75°C
	duration	45 minutes 45 minutes
	temperature gradient	1~3°C/min.
	cycle	10
	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	10mW (0.56Vrms)
	duration	96 hours

TEST METHOD

HEAT SHOCK TEST (Fig. 4)

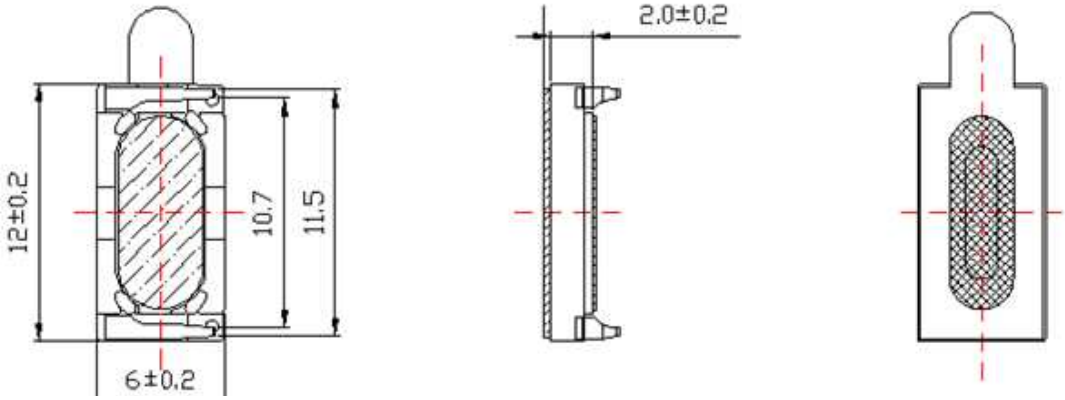


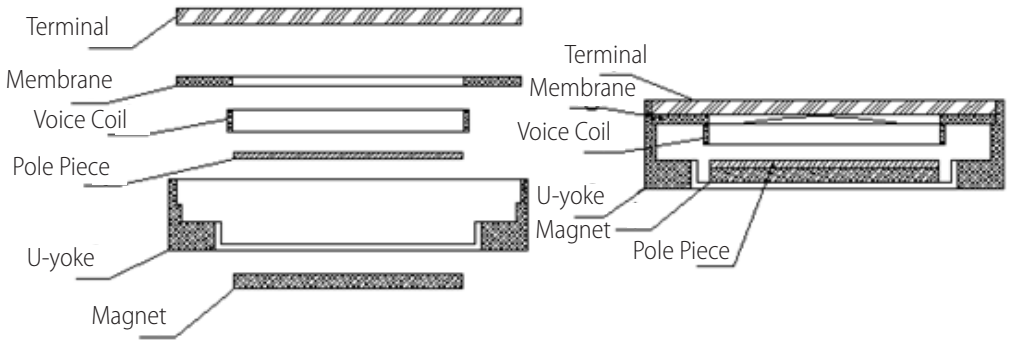
TEMP. CYCLE TEST (Fig. 5)

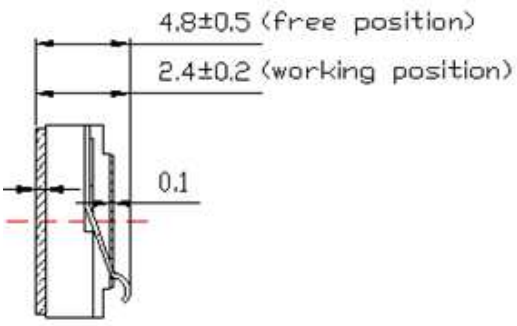


PRODUCT EXTERNAL VIEW AND DIMENSIONS (Fig. 6)

Tolerance +/- 0.5 (unit: MM)







no	item	material	quantity
1	Magnet	Nd-Fe-B	1
2	U-Yoke	Iron	1
3	Pole Piece	Iron	1
4	Voice Coil	Copper	1
5	Membrane	PEI	1
6	Terminal	Steel	1

PACKING