

# SD153B

ITEMS.		SPECIFICATIONS
01	Type	Dynamic receiver unit
02	Dimension.	External diameter 28 mm
03	Sensitivity (S.P.L)	93 dB $\pm$ 2 dB at 1kHz 60mV with IEC 318 coupler
04	Frequency Response.	Refer to frequency response chart.
05	Impedance.	150 Ohm $\pm$ 20% at 1KHz
06	Magnet Field Intensity.	Axial – dB , Radial –dB at 1KHz
07	Max. Input Power.	Must be normal at a white noise , 50mW for 1 minute.
08	Weight.	5g $\pm$ 0.5g
09	Appearance.	Should not exist any obstacle to be harmful to normal operation: damages, cracks, rusts, and distortions, etc.
10	Buzz, Rattle, Etc.	Should not be audible at 1V sine wave between 300 Hz to 3.4 kHz.
11	Terminal Strength.	Capable of withstanding 1 kg load for 15 sec without resulting in any damage or rejection.
12	Load Test.	1mW white noise (-filter) is applied for 72 hours satisfy the tests listed on item 03,04,09, and10

## ENVIRONMENTAL TEST.

Sensitivity difference shall be within  $\pm$ 3 dB and should satisfy the listed on item03,04, 09 and 10, after each following test.

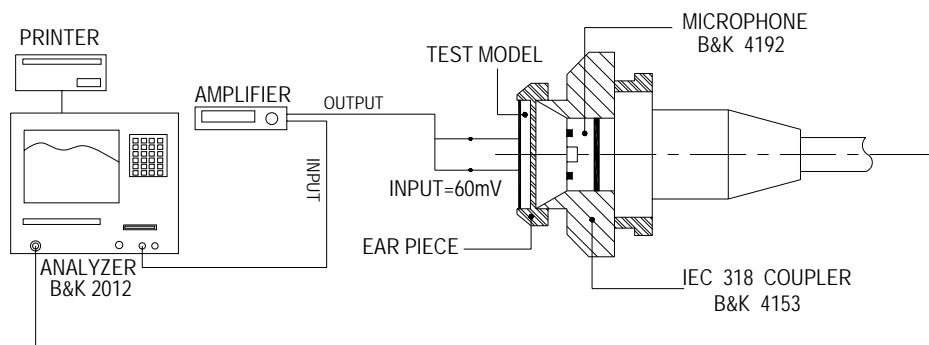
01	Thermal Cycle Test.	Low temperature: -40°C $\pm$ 3°C, temperature:+70°C $\pm$ 3°C, cycle: 6hour/cycles each, and then keep 2 hours in a room.
02	High Temp. Test.	Keep 96 hours at +70°C $\pm$ 3°C and leave 6 hours in normal temperature and then check.
03	Low Temp. Test.	Keep 96 hours at -40°C $\pm$ 3°C and leave 6 hours in normal temperature and then check.
04	Humidity Test	Keep 96 hours at +40°C $\pm$ 3°C and relative humidity 95% and leave 3 hours in normal temperature and then check.
05	Drop Test	Drop the handset mounted a unit onto a board 5mm thick 18 times from the height of 1m and them should satisfy the test listed on item 09 and 10.

# MEASUREMENT CONDITION.

Test and measurement will be carried out under normal condition of temperature within 5°C to 35 °C, Relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar.

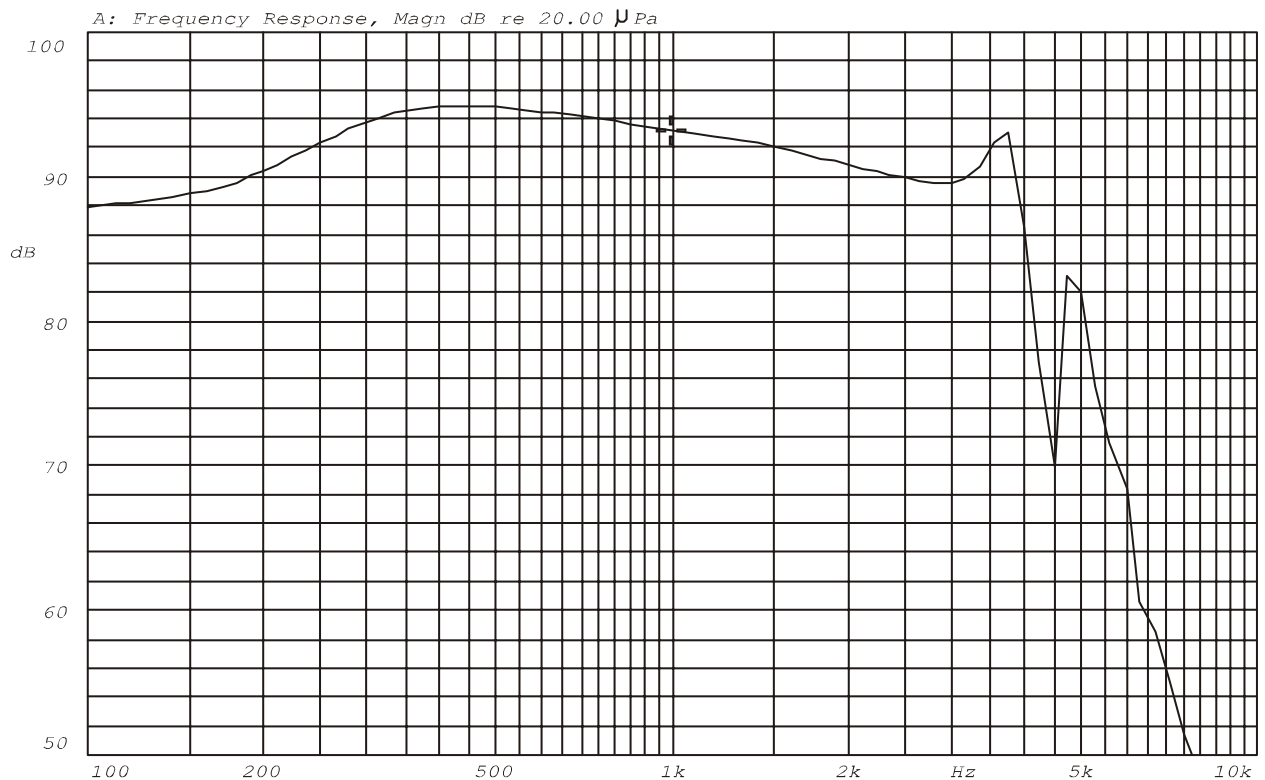
Should uncertainly arise in data obtained from the above atmosphere, control of temperature at 20°C ±2 °C and relative humidity within 60% and 70%, With air pressure remaining unchanged, to be enforced.

1. Test signal. :60mV
2. Sweep freq. Response. :Apply test signal varying logarithmical from 100Hz to 10kHz, 2 times for 0.5 second.
3. S.P.L (Sensitivity). :Read out average figure of S.P.L meter needle.
4. Freq. response curve. :Apply test signal and check response curve with frequency response recorder.



# FREQUENCY RESPONSE CURVE

X:1.0000kHz \*Y:93.18dB ZA:Live Curve SSR Fund.



Mode: Receiver

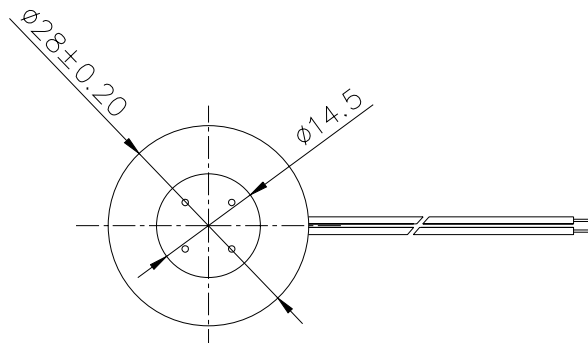
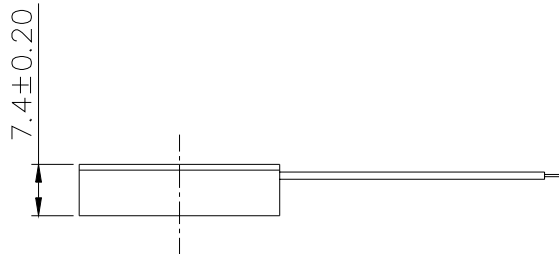
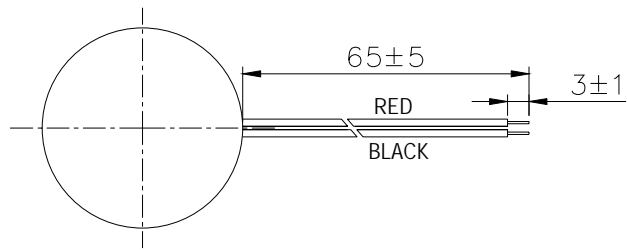


REV NO.

REVISION NOTE

APPROVAL

DATE



NOTE:

LEAD WIRES SPEC.:UL1095 AWG28