

Electrical and Acoustical Parameter

Rated voltage (VDC) *	12.0
Operating voltage (VDC)	7.0 – 15.0
Rated current (mA) *	max. 30
Sound pressure level (dBA/10cm) *	min. 88
Resonanz Frequency (Hz±300)	2300
Remark:	*Applying rated voltage

Mechanical, Enviromental Parameter

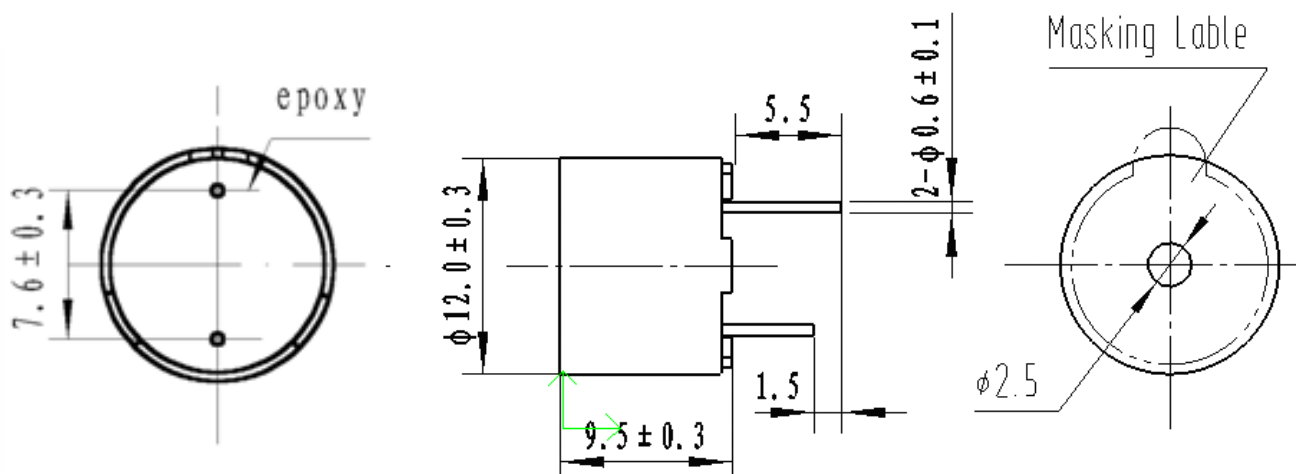
Contact / Wire	Pin
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Material housing	PPO
Color housing	Black
Component weight (g)	2
Remark:	

Approval

RoHs	<input checked="" type="checkbox"/>
UL	<input type="checkbox"/>

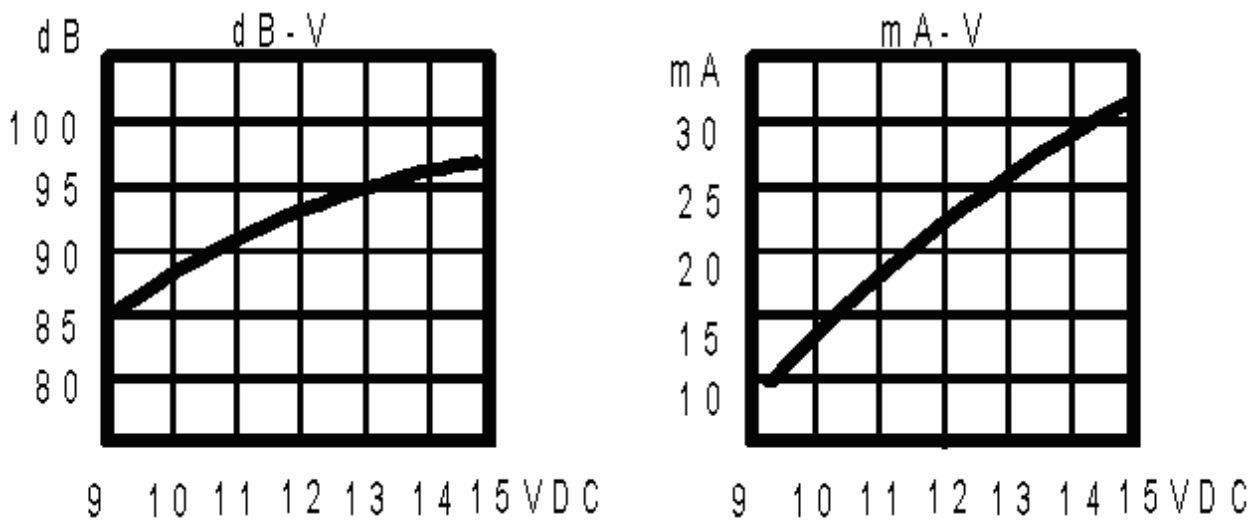
Drawing of Component

Unit:mm

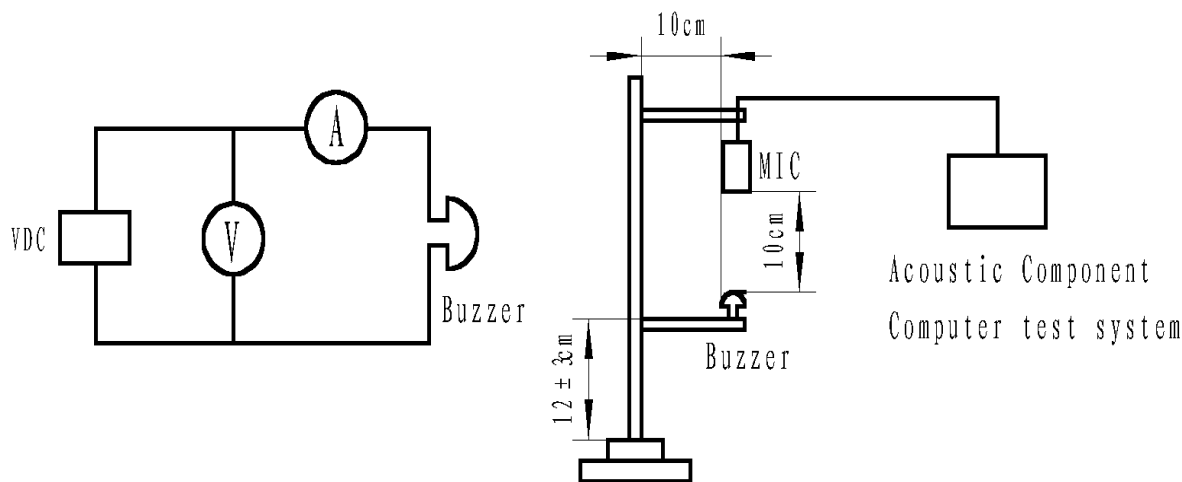


Designed by	KH	17.01.2012	Dimensions without tolerance ±0.5mm	Index: 01	Current date
Released by	BB	17.01.2012	Drawing number	120117.1PDB	20.02.2012
Changed by	KH	20.02.2012			Page 1 of 5

Input Voltage VS. Sound Pressure Level & Current Consumption



Test method



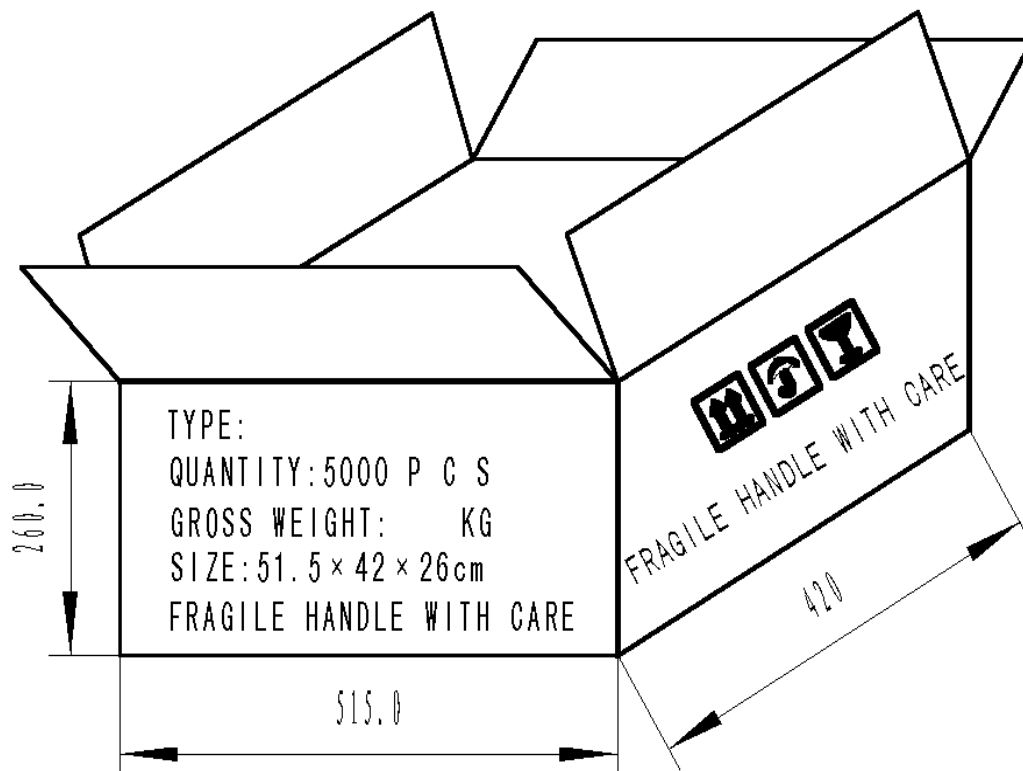
Designed by	KH	17.01.2012	Dimensions without tolerance ±0.5mm	Index: 01	Current date
Released by	BB	17.01.2012	Drawing number	20.02.2012	
Changed by	KH	20.02.2012	120117.1PDB		Page 2 of 5

Reliability test

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	40±5°C, 93(+2/-3)%RH, 96HRS	All specifications must be satisfied after the test.
2	High temp.	+80±2°C, 96HRS	
3	Low temp.	-30±2°C, 96HRS	
4	Temperature cycling	-30±2°C, 30 minutes room temp. 15 minutes +80±2°C, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 1.0mm is 1 minute.	
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 250±10°C for a period of 30 seconds.	After the test part shall meet specifications without any degradation in appearance and performance.

Designed by	KH	17.01.2012	Dimensions without tolerance ±0.5mm	Index: 01	Current date
Released by	BB	17.01.2012	Drawing number	120117.1PDB	20.02.2012
Changed by	KH	20.02.2012			Page 3 of 5

Packaging Information



NOTES:

- 1.100 PCS per box
- 2.Total 50 boxes per carton
- 3.Total 5000 PCS carton
- 4.Volume:51.5×42×26cm

Designed by	KH	17.01.2012	Dimensions without tolerance ±0.5mm	Index: 01	Current date
Released by	BB	17.01.2012	Drawing number 120117.1PDB		20.02.2012
Changed by	KH	20.02.2012			Page 4 of 5

[illegible]