

[GEC] Green Electronics company

GEC09B-1

FEATURES:

Case: Noryl, Black

Pin: Tin-plated copper

SPECIFICATIONS:

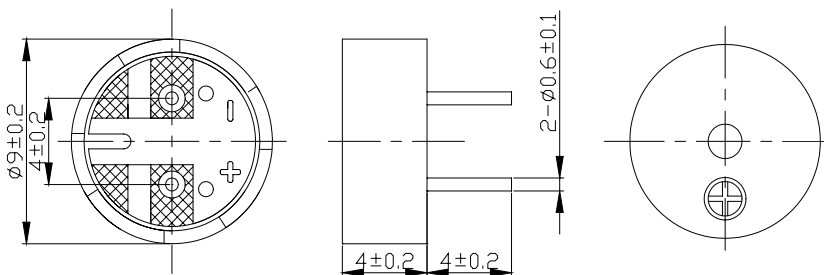
TYPE	UNIT	GEC09B-1
Min. Sound Output at 10cm	dB	85
Rated Voltage	V _{0-p}	1.5
Operating Voltage	V _{0-p}	1 ~ 2
Resonant Frequency	Hz	2730
Max. Current Consumption	mA	80
Coil Resistance	Ω	6 ± 1
Coil Impedance	Ω	15
Operating Temperature		-20 ~ +70
Storage Temperature		-30 ~ +80
Weight	g	0.7

Value applying at (rated voltage, 2730 Hz, 1/2 duty square wave)

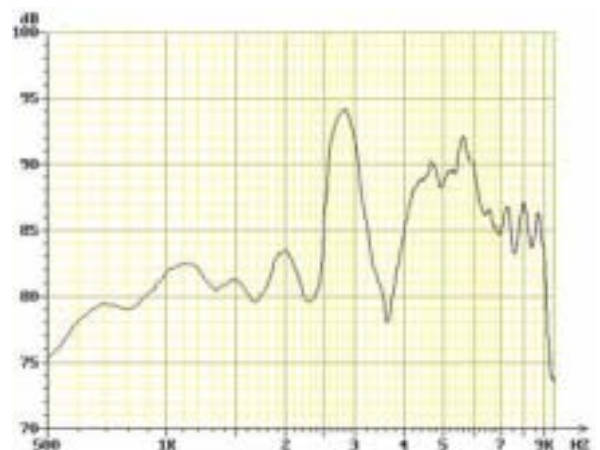
Value applying at (2730 Hz, sine wave, measuring current 60μA)

DIMENSIONS :

(Unit: mm)



FREQUENCY RESPONSE:



SPECIFICATION SHEET

CUSTOMER:

PRODUCT: ELECTROMAGNETIC TRANSDUCER

MODEL NUMBER: G09B-1

[GEC] GREEN

ELECTRONICS CO., LTD.



TEL:

FAX:

ADD:

POST CODE:

E-mail: kklist101@hanmail.net

www.greenelec.co.kr

WE HERE APPLY FOR AUTHORIZATION TO SUPPLY THE ABOVE MENTIONED ON THE BASIS OF THE FOLLOWING SPECIFICATIONS.

1. SCOPE

THESE SPECIFICATIONS APPLIED TO THE ABOVE MENTIONED ELECTROMAGNETIC TRANSDUCER.

2. MECHANICAL CHARACTERISTICS

2-1 EXTERNAL DIMENSION

THE EXTERNAL DIMENSION, INDICATION ARE AS SHOWN IN DRAWING SHEETS.

2-2 APPEARANCE

THE FINISHING SHALL NOT BE ACCOMPANIED BY REMARKABLE RUST, DISTORTION, CREAK, ETC.

2-3 TENSILE STRENGTH OF TERMINAL PINS

EACH TERMINAL PIN SHALL BE NO ABNORMALITY WHEN THE EQUIPMENT IS PROPERLY FIXED AND 1kg OF LOAD IS GIVEN FOR 30 ± 5 SECONDS IN AXIS DIRECTION OF TERMINAL.

3. ELECTRICAL CHARACTERISTICS(AT 25)

3-1 OPERATING VOLTAGE	: 1-2V
3-2 RATED VOLTAGE	: 1.5V
3-3 RESONANT FREQUENCY	: 2730 Hz
3-4 RATED CURRENT	: 80mA MAX.
3-5 SOUND PRESSURE LEVEL	: 85dB MIN.
3-6 COIL RESISTANCE	: 6 ± 1 OHM
3-7 COIL IMPEDANCE	: 15 OHM
3-8 OPERATING TEMPERATURE	: -20 - +70
3-9 STORAGE TEMPERATURE	: -30 - +80

DATE:2004.1.11	PRODUCT SPECIFICATION G09B-1 (ELECTROMAGNETIC TRANSDUCER)	CUSTOMER:
PAGE:1/5		PRODUCER:

4. RELIABILITY TEST

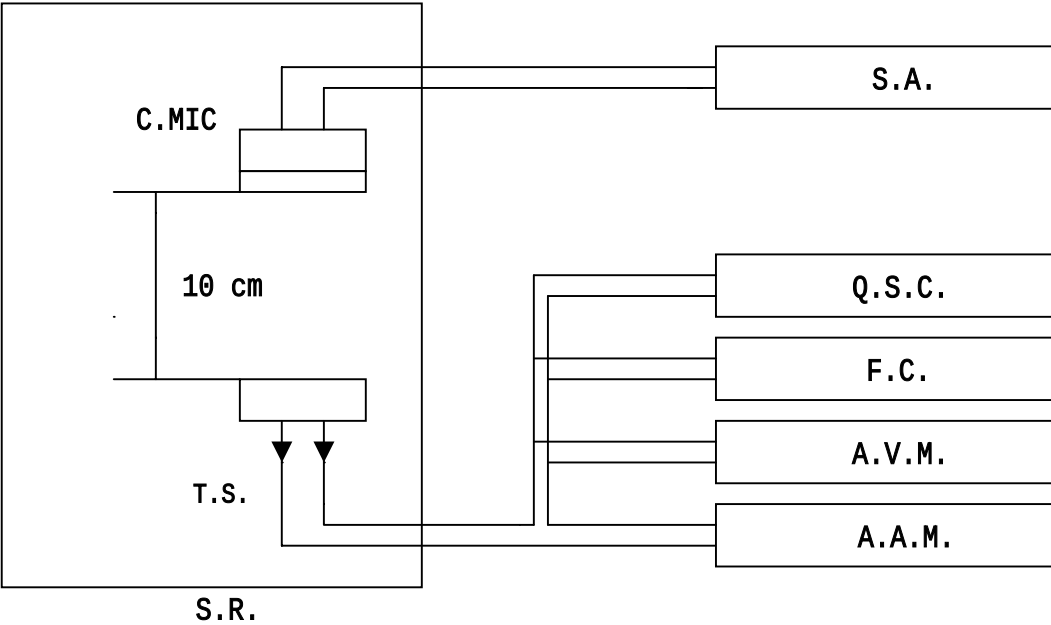
NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
4-1	HUMIDITY	55 ± 5 , 95 ± 3%RH 96HRS	SOUND PRESSURE LEVEL INITIAL VALUE ± 10%
4-2	HIGH TEMP.	+80 ± 2 , 96HRS	
4-3	LOW TEMP.	-30 ± 2 , 96HRS	
4-4	TEMPERATURE CYCLING	-30 ± 2 30 MINUTES	
		ROOM TEMP. 10 MINUTES	
		+80 ± 2 30 MINUTES	
		ROOM TEMP. 10 MINUTES	
		5 CYCLES	
4-5	DROP TEST	3 TIMES FROM HEIGHT OF 50CM ON CONCRETE FLOOR	

NOTE:

1. TEST ITEM 4-4 AND 4-5 SHALL BE CONDUCTED WITH CIRCUIT STATE.
2. TEST SPECIMENS SHALL BE KEPT FOR 4 HRS, 25 BEFORE MEASUREMENT.

DATE: 2004.1.11	PRODUCT SPECIFICATION G09B-1 (ELECTROMAGNETIC TRANSDUCER)	CUSTOMER:
PAGE: 2/5		PRODUCER:

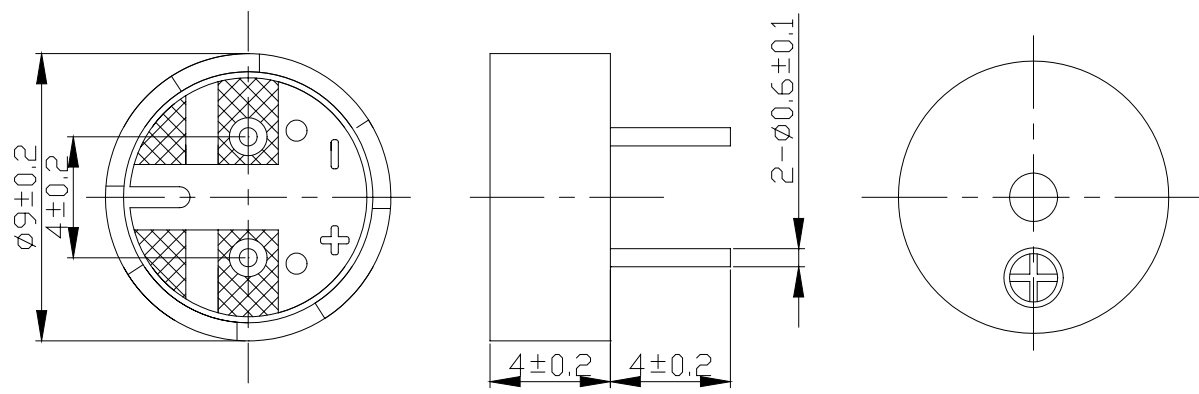
5. ELECTRICAL CHARACTERISTICS TEST METHOD



S.A. : SPECTRUM ANALYAER
F.C. : FREQUENCY COUNTER
A.A.M.: AC AMPERE METER
S.R. : SOUNDPROOF ROOM
A.V.M.: AC VOLT. METER
C.MIC : CONDENSER MIC
T.S. : TEST SAMPLE
Q.S.C.: OSCILLATOR

DATE:2004.1.11	PRODUCT SPECIFICATION G09B-1 (ELECTROMAGNETIC TRANSDUCER)	CUSTOMER:
PAGE:3/5		PRODUCER:

6.DIMENSION (UNIT:mm)



DATE:2004.1.11	PRODUCT SPECIFICATION G09B-1 (ELECTROMAGNETIC TRANSDUCER)	CUSTOMER:
PAGE:4/5		PRODUCER:



Report

No. GZSCR050526605/LP

Date : JUN 10 , 2005 Page 1 of 2

CHANGZHOU XICHUN ELECTRONICS CO., LTD
NO.207 XINTANG NORTH ROAD, CHANGZHOU,
JIANGSU, P.R. CHINA

Report on the submitted samples said to be used for: XCMT09 SERIES ELECTROMAGNETIC TRANSDNCER

SGS Ref. : GZ050404702EC-25.21
Reports Received Date : MAY 08, 2005
Survey Period : MAY 08, 2005 TO MAY 20, 2005

Test Report	Report No.	Issue date
	GZSCR050526585/LP	MAY 10, 2005
	GZSCR050526586/LP	MAY 10, 2005
	GZSCR050526588/LP	MAY 10, 2005
	GZSCR050526589/LP	MAY 10, 2005
	GZSCR050526590/LP	MAY 10, 2005
	GZSCR050526591/LP	MAY 10, 2005
	GZSCR050526593/LP	MAY 10, 2005
	GZSCR050526597/LP	MAY 12, 2005
	GZSCR050526598/LP	MAY 12, 2005
	GZSCR050526601/LP	MAY 12, 2005
	GZSCR050526603/LP	MAY 12, 2005

Signed for and on behalf of
SGS-CSTC Ltd.

Xie YongBiao, Sam
Lab Manager

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.



Report

No. GZSCR050526605/LP

Date : JUN 10 , 2005 Page 2 of 2

LIST :

No.	Part Name	Testing Organization	Supplier
1	线路板	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
2	焊锡	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
3	磁环（粘结钎铁硼）	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
4	振动膜	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
5	支架	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
6	漆包线	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
7	插针	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
8	塑壳（NORYL 或 PPS）	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
9	极片	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
10	铜套	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD
11	环氧树脂	SGS	CHANGZHOU XICHUN ELECTRONICS CO., LTD

Test Data Summary

Test items		Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium Cr(VI)	PBBs	PBDEs
Unit		ppm	ppm	ppm	ppm	ppm	ppm
Detection limit (MDL) in SGS		2	2	2	2	5	5
No.1	PCB	6	N.D.	N.D.	N.D.	N.D.	N.D.
No.2	Silvery metal wire	68	N.D.	N.D.	N.D.	NC	NC
No.3	Black ring	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
No.4	Silvery metal pieces	16	N.D.	N.D.	N.D.	NC	NC
No.5	Silvery metal pieces	3	N.D.	N.D.	N.D.	NC	NC
No.6	Coppery metal wire	N.D.	N.D.	N.D.	N.D.	NC	NC
No.7	Silvery metal pin	18	N.D.	N.D.	N.D.	NC	NC
No.8	Black plastic part	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
No.9	Silvery piece	31	5	N.D.	N.D.	NC	NC
No.10	Golden metal ring	56	5	N.D.	N.D.	NC	NC
No.11	Black block	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

NOTE: (1) N.D. = Not detected (<MDL)
(2) NC = Not conducted
(3) ppm = mg/kg

Disclaim : SGS will not take the responsibility for any mistake caused by inaccurate and invalid information submitted by client.

*** End of Report ***

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or attached. Said Conditions are also available upon request or are accessible at www.sgs.com. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. The results shown in this Test Report refer only to the sample(s) tested unless otherwise stated and such sample(s) are retained for 30 days only. This Test Report shall not be reproduced except in full, without written approval of the Company.