

SPECIFICATION SHEET

CUSTOMER:

PRODUCT: ELECTROMAGNETIC BUZZER

MODEL NUMBER: SM-1212C

ILOSAM

ELECTRONICS CO., LTD.



TEL: +82-2-26150158 POST CODE : 152-721

FAX: +82-2-26151043

ADD: Chung-Ang Circulation complex(GA-Dong/3428) #1258 Kurobon-Dong Kuro-Gu SEOUL KOREA

E-mail: izicom@ilosam.co.kr [Http://www.ilosam.co.kr](http://www.ilosam.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 BUZZER.

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 PIN

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°C)

3-1 OPERATING VOLTAGE	:	8 ~ 15V
3-2 RATED VOLTAGE	:	12 V
3-3 RESONANT FREQUENCY	:	2300 ± 300 Hz
3-4 RATED CURRENT	:	30mA MAX
3-5 SOUND PRESSURE LEVEL	:	85dB MIN
3-6 OPERATING TEMPERATURE	:	-20°C ~ +70°C
3-7 STORAGE TEMPERATURE	:	-30°C ~ +80°C

DATE: 2003-6-25	PRODUCT SPECIFICATION SM-1212C (ELECTROMAGNETIC BUZZER)	CUSTOMER:
PAGE: 1/5		PRODUCER:

4. RELIABILITY TEST

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

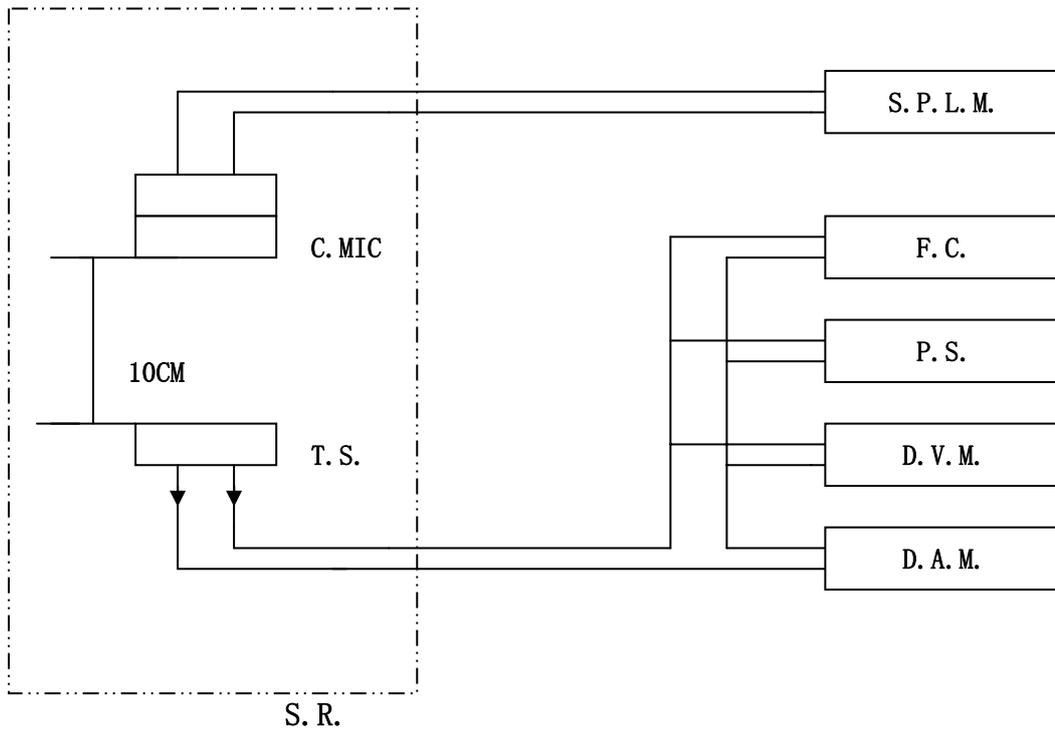
NOTE:

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

z

DATE: 2003-6-25	PRODUCT SPECIFICATION SM-1212C (ELECTROMAGNETIC BUZZER)	CUSTOMER:
PAGE: 2/5		PRODUCER:

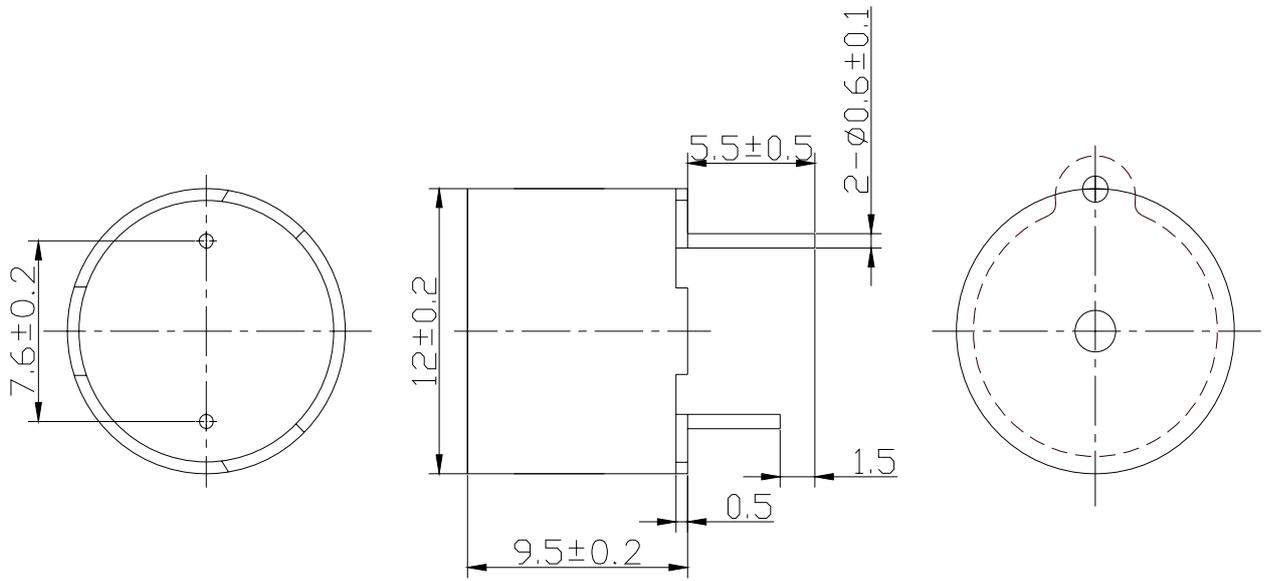
5. ELECTRICAL CHARACTERISTICS TEST METHOD



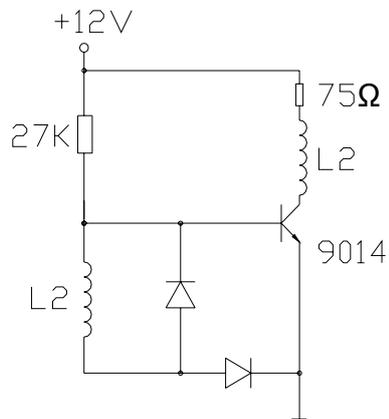
- S. P. L. M. : SOUND PRESSUR LEVEL METER
- F. C. : FREQUENCY COUNTER
- D. V. M. : DC VOLTAGE METER
- S. R. : SOUNDPROOF ROOM
- C. MIC : CONDENSER MIC
- P. S. : POWER SUPPLY
- T. S. : TEST SAMPLE

DATE:2003-6-25	PRODUCT SPECIFICATION SM-1212C (ELECTROMAGNETIC BUZZER)	CUSTOMER:
PAGE:3/5		PRODUCER:

6. DIMENSIONS(UNIT:mm)

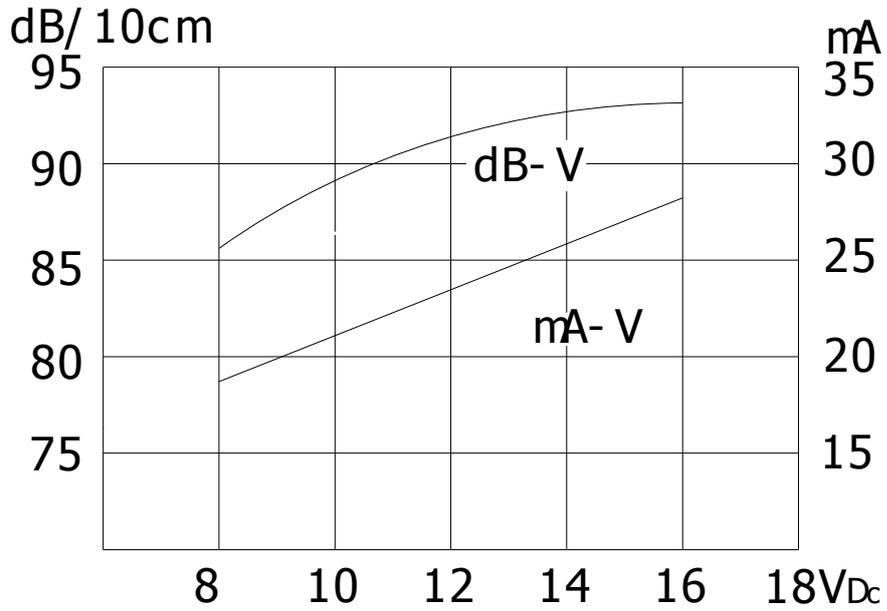


7. CIRCUIT DIAGRAM:



DATE: 2003-6-25	PRODUCT SPECIFICATION SM-1212C (ELECTROMAGNETIC BUZZER)	CUSTOMER:
PAGE: 4/5		PRODUCER:

8. TYPICAL CHARACTERISTIC CURVE OF SM-1212C



DATE: 2003-6-25	PRODUCT SPECIFICATION SM-1212C (ELECTROMAGNETIC BUZZER)	CUSTOMER:
PAGE: 5/5		PRODUCER: