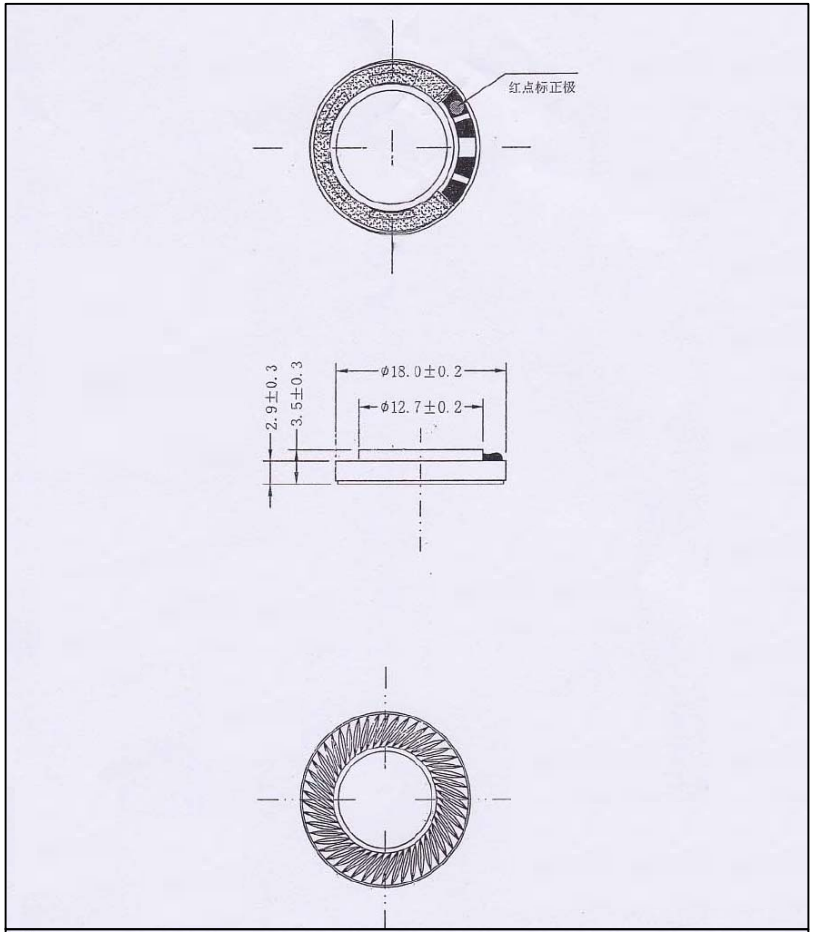
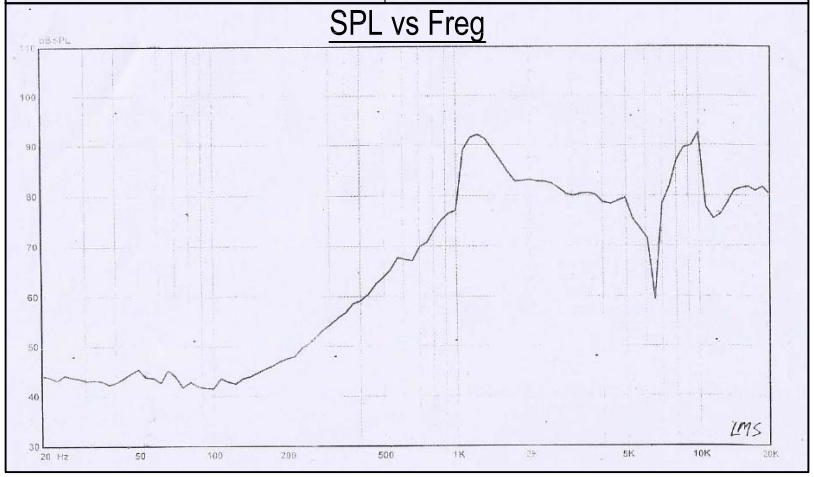
DWG. NO. SP-4921-A REV. "-"

PART NO. R18N1250S-8NL



SPL vs Freq



NOTES: ALL DIMS ARE IN mm

NO.	ITEM	SPECIFICATION	TEST CONDITION
1	NOMINAL FREQUENCY	8 ± 1.2 Ohm	AT 1000 Hz 1.0 V
2	RESONANCE FREQUENCY	1300 ± 260 Hz	WITHOUT BAFFLE 1.0V
3	OUTPUT S.P.L	82 ± 3dB 0.1W / 0.1M	AT 1200.1500.2000.2500 Hz
4	RATED INPUT POWER	0.2 W	
5	MAX.INPUT POWER	0.5 W	
6	FREQUENCY.RESPONSE	F0~20KHz	OUTPUT S.P.L-10 dB
7	BUZZES & RATTLES	SHOULD NOT BE AUDIBLE BUZZ AND RATTLE	AT 1.26V SINE WAVE BETWEEN 100Hz~2KHz
8	DISTORTION	5% MAX	RATED POWER INPUT AT 1000 Hz
9	POLARITY	WHEN A POSITIVE D.C CURRENT IS APPLIED TO THE VOICE COIL TERMINAL MARKED +,THE DIAPHRAGM SHALL MOVE FORWARD	
10	FLUX DENSITY	GAUSS	
11	MAGNET	SIZE: NdFeB WEIGHT: g(Oz)	
12	HIGH TEMPERATURE TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF +60°C 20~25% R.H AND THEN LEFT 2 HOURS IN A ROOM.SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
13	LOW TEMPERATURE TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF -40°C±3°C AND THEN LEFT 2 HOURS IN A ROOM. SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
14	HUMIDITY TEST	AFTER HAVING BEEN IN A TEST CHAMBER FOR 48 HOURS AT THE CONDITION OF +25°C 90~95% R.H AND THEN LEFT 4 HOURS IN A ROOM.SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
15	LOAD TEST	AT 0.2W WHITE NOISE IS APPLIED FOR 48 HOURS AND THEN SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
16	DROP TEST	DROP THE SPEAKERS CONTAINED IN NORMAL BOX ONTO A BOARD 5mm THICK 2 TIMES FROM A HEIGHT OF 1.0m AND THEN SHOULD SATISFY THE DESCRIBED UNDER ITEM 01 AND 07	
17	OPERATING TEMPERATURE	-25°C TO +70°C	
18	STORAGE TEMPERATURE	-40°C TO +85°C	
19	OTHER		

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

PROJECTION

RDI Research Develop Innovate

RDI, Inc. 333 North Bedford Road, Suite 135, Mount Kisco, NY 10549

SCALE N/A

TITLE ø18mm speaker- 8Ω, RoHS Compliant

TOLERANCE EXCEPT AS NOTED

DR. Tina | DATE 07/12/19 | REF. P/N: R18N1250S-8NL | SHEET 1 OF 1

DEC. MILLIMETERS .X±0.30 .XX±0.15

CK. BM | PRE- SP | DRAWING NO. 4921 | SIZE A | REV. –

ANG. .X±1°

THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED IN IT IS PROPRIETARY TO, RDI, BY RECEIPT HEREOF THE HOLDER AGREES NOT TO USE THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND AGREES TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.