

SPECIFICATIONS

* Model Identifications

'Prime' Model Code	Customer P/ N
92F-A8515	

Signed for/on behalf of us. By: R&D manager Mr. ----- Date: . .	Signed for/on behalf of you. By: ----- Date : . .
--	--

This Specifications will be valid after the date of acceptance by both 'Prime' and the customer. Without formal request for updating by one of the involved parties, this Specifications will be valid until the end of usage of the relevant products by the customer.



Prime Acoustics Co., Ltd.



SPEAKER MODEL CODE

92F-A8515

1. REVISION RECORD

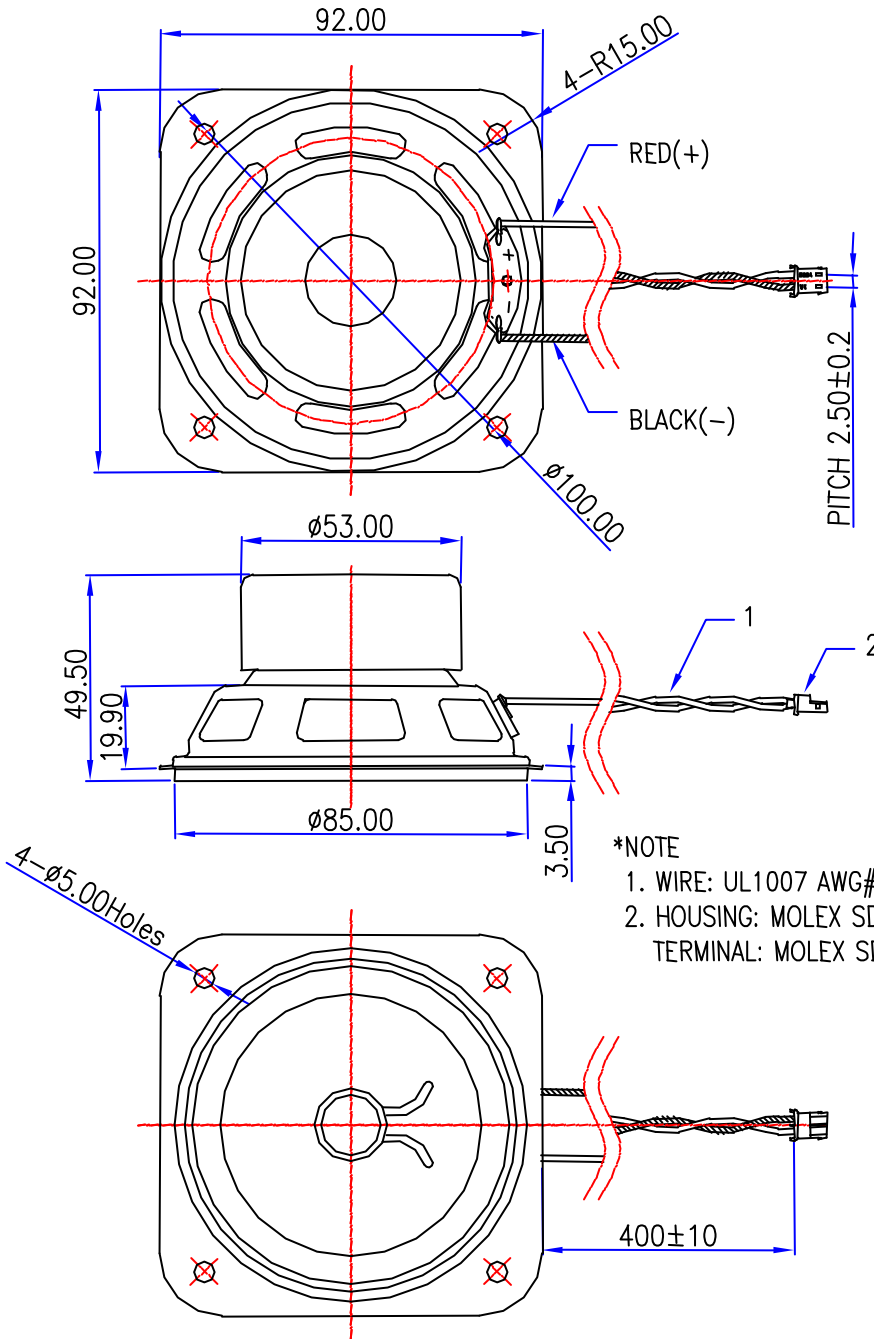
Rev. No	DATE	DESCRIPTION	By	Chk.	App.
0	13.JUNE. 2008	R&D and ECO Release			
1					
2					
3					
4					
5					
6					
7					
8					
9					

2. RoHS ENVIRONMENTAL STANDARDS

CLASSIFICATIONS	SUBSTANCES	COMPLIANCE	
		YES	NO
RoHS	Lead and its Compounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Cadmium and its Compounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Mercury and its Compounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Hexavalent Chromium and its Compounds	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Polybrominated Biphenyls	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Polybrominated Diphenylethers	<input checked="" type="checkbox"/>	<input type="checkbox"/>
HALOGEN FREE	HALOGENS	<input type="checkbox"/>	<input type="checkbox"/>

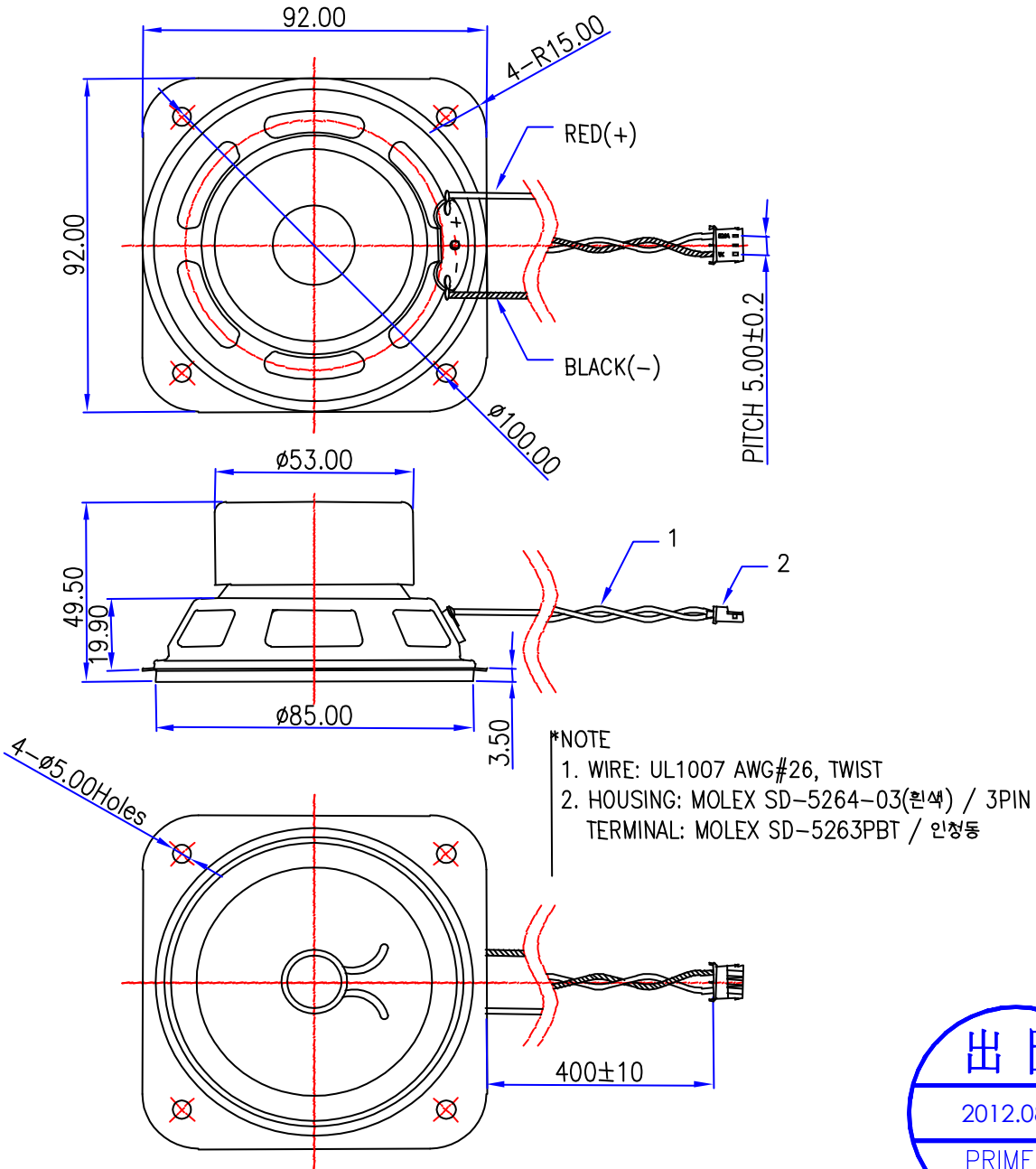


DESIGNED		CHECKED		APPROVED	
13. JUNE. 2008		13. JUNE. 2008		13.JUNE. 2008	

3-1. MECHANICAL CHARACTERISTICS


UNIT : mm
 TOLERANCE : ± 0.5

DESIGNED		CHECKED		APPROVED	
13.JUNE. 2008		13.JUNE. 2008		13.JUNE. 2008	

3-2. MECHANICAL CHARACTERISTICS


UNIT : mm
 TOLERANCE : ±0.5

DESIGNED		CHECKED		APPROVED	
13.JUNE. 2008		13.JUNE. 2008		13.JUNE. 2008	

**SPEAKER MODEL CODE****92F-A8515****4. ELECTRICAL CHARACTERISTICS**

PARAMETER	SPECIFICATION	UNIT
Impedance At 0.5KHz / 1.0Vrms	8 ± 1.2	Ω
Power Rating (Nom / Max)	5.0 / 8.0 (6.32Vrms / 8.00Vrms)	Watt
Polarity	When a positive DC current is applied to the marked (+), diaphragm shall move forward.	

5. ACOUSTIC CHARACTERISTICS

PARAMETER	SPECIFICATION	UNIT
Sound Pressure Level At 1.0W / 0.5m distance	86 ± 3 Avg (0.4, 0.5, 0.6, 0.8)kHz	dB
Total Harmonic Distortion	Less than 10% at 1KHz, 5.0W	%
Resonance Frequency (Fo) At 1.0 Vrms	150 Hz ± 30 Hz	Hz
Frequency Range	Fo ~ 20K	KHz
Buzz and Rattle etc.	Should not be audible at 5.0 W sine wave from Fo to 20 kHz.	

出圖

2012.08.02

PRIME 音響
開發**6. ENVIRONMENTAL CHARACTERISTICS**

PARAMETER	SPECIFICATION	UNIT
Operating Temperature Range	-20 ~ 65	°C
Storage Temperature Range	-25 ~ 70	°C

DESIGNED**CHECKED****APPROVED**

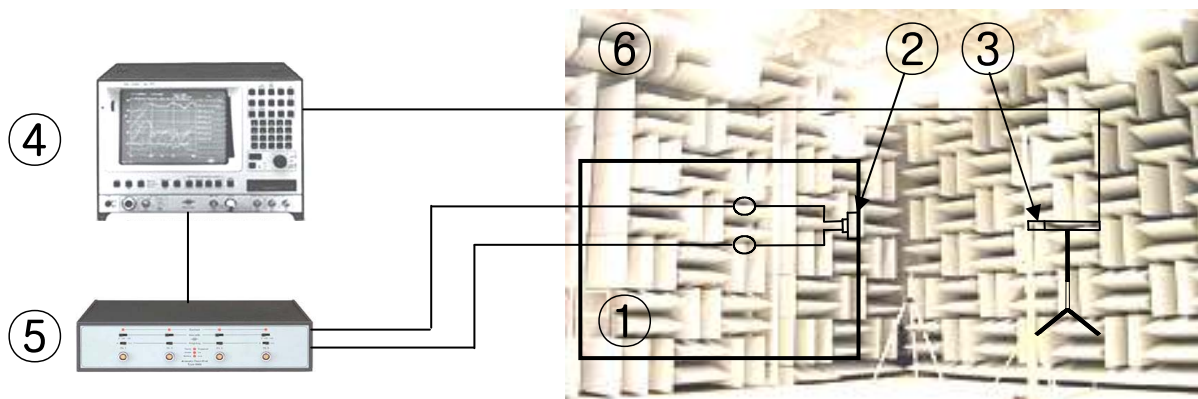
13. JUNE. 2008

13.JUNE. 2008

13.JUNE. 2008

7. MEASUREMENT STANDARD

7-1 Measurement Environment



7-2 Measurement Environment

①	Baffle Box	JIS C 5532
②	Speaker Unit	92F-A8515
③	Microphone	B&K 4133
④	Analyzer	B&K 2012A
⑤	Amplifier	B&K WQ1105
⑥	Anechoic room	2.5×2.5×3 (m)
⑦	Input Power	1.0 (W)
⑧	Testing Distance	0.5 (m)
⑨	Test Mode	TIME SELECTIVE RESPONSE (TSR)


DESIGNED

13. JUNE. 2008

CHECKED

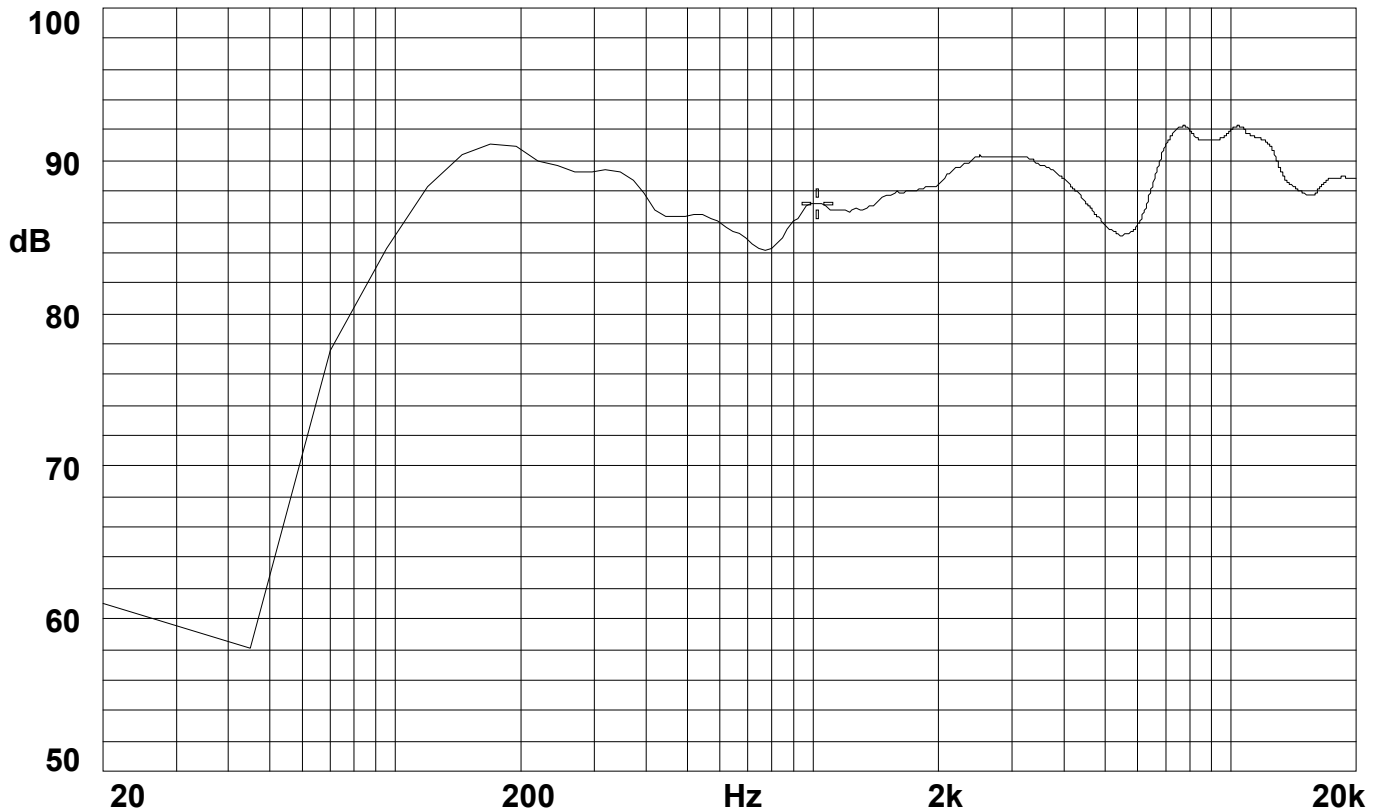
13. JUNE. 2008

APPROVED

13. JUNE. 2008

8. TYPICAL FREQUENCY RESPONSE CURVE

A: Frequency Response, Magn dB re 20.00 μ Pa/V



NOTE:

-The frequency response curve is drawn with the "1/3OCT" smoothing Function of B&K 2012.



DESIGNED		CHECKED		APPROVED	
13. JUNE. 2008		13. JUNE. 2008		13. JUNE. 2008	



SPEAKER MODEL CODE

92F-A8515

9. RELIABLE TEST STANDARDS

No	Test Item	Conditions
9-1	After Test	Sensitivity difference shall be within ± 2 dB after test.
9-2	High Temperature Test	High temperature.....+ 70 $^{\circ}$ C Duration.....96 hours
9-3	Low Temperature Test	Low temperature..... - 25 $^{\circ}$ C Duration.....96 hours
9-4	Thermal Shock Test	Temperature- 25 $^{\circ}$ C \leftrightarrow + 70 $^{\circ}$ C Duration.....2hours Cycle.....15 cycles
9-5	Humidity Test	Temperature.....+ 40 $^{\circ}$ C Relative humidity.....90% Duration.....96 hours
9-6	Vibration Test	Vibration.....10 - 55Hz / min Amplitude.....1.5mm Duration..... 2 hour in each of 3axes
9-7	Drop Test	Height.....1.5 M Cycle.....12 cycles
9-8	Load Test	Subject samples to White Noise(JIS FILTER) 音響 for 96 hours at 5.0W input power 開發



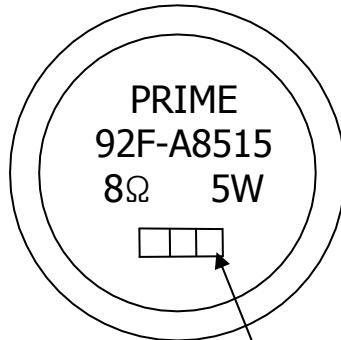
DESIGNED		CHECKED		APPROVED	
13. JUNE. 2008		13. JUNE. 2008		13. JUNE. 2008	



SPEAKER MODEL CODE

92F-A8515

10. TRACEABILITY STANDARDS



LOT NO.

LOT NO.

YEAR		MONTH		SECTION	
1	2001	1	1	1	1 WEEK
2	2002	2	2	2	2 WEEK
3	2003	3	3	3	3 WEEK
4	2004	4	4	4	4 WEEK
5	2005	5	5	5	5 WEEK
6	2006	6	6		
7	2007	7	7		
8	2008	8	8		
-	-	9	9		
-	-	X	10		
-	-	Y	11		
-	-	Z	12		

EX) 7X3

- 8 → 2008 (YEAR)
- X → OCTOBER (MONTH)
- 3 → 3WEEK



DESIGNED

CHECKED

APPROVED

13. JUNE. 2008

13. JUNE. 2008

13. JUNE. 2008