SPECIFICATION FOR APPROVAL

Description	:	**Speaker Transducer**
Specification No.	:	**PKD-7317**
Number Of The Edition	:	**1.3**

CUSTOMER'S APPROVED SIGNATURE		

Approved by	Checked by	Issued by
		Fei 8/11/06'

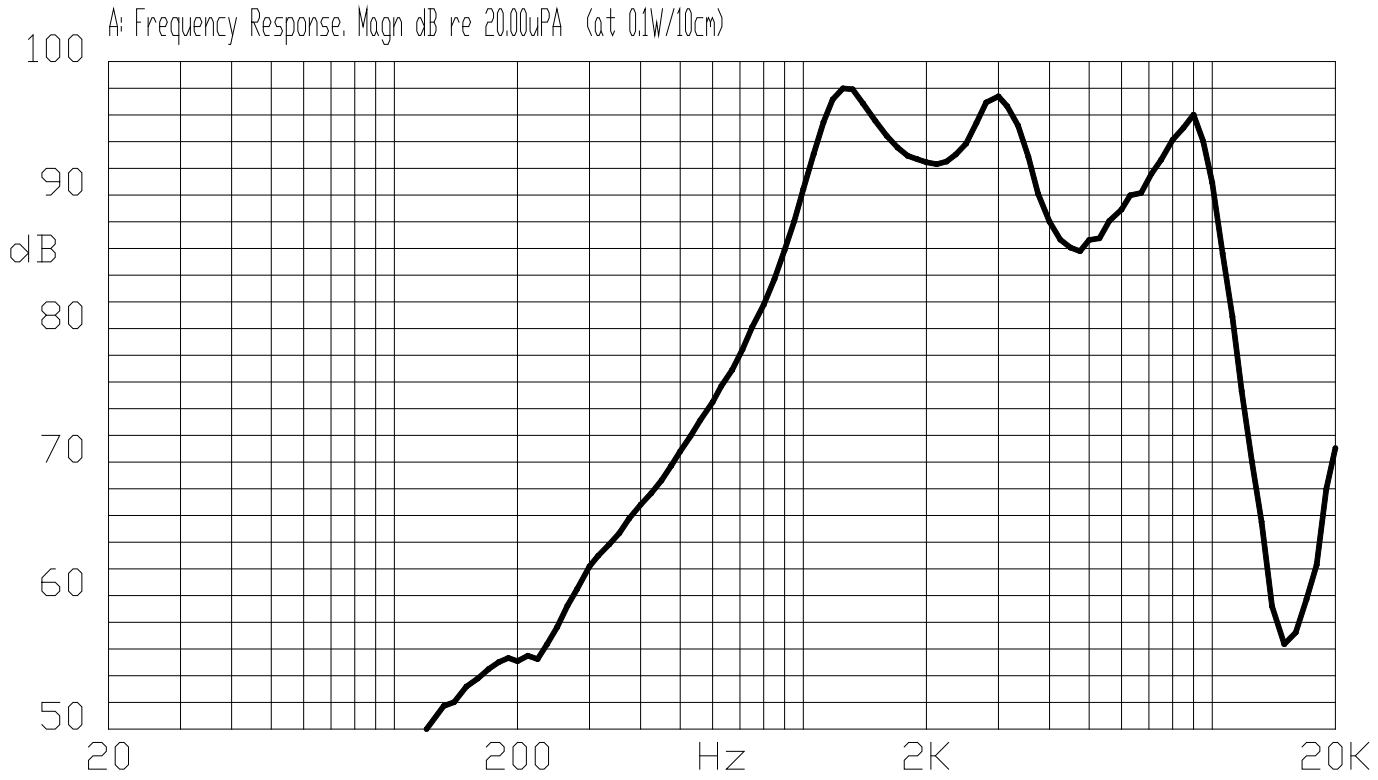
A. SCOPE

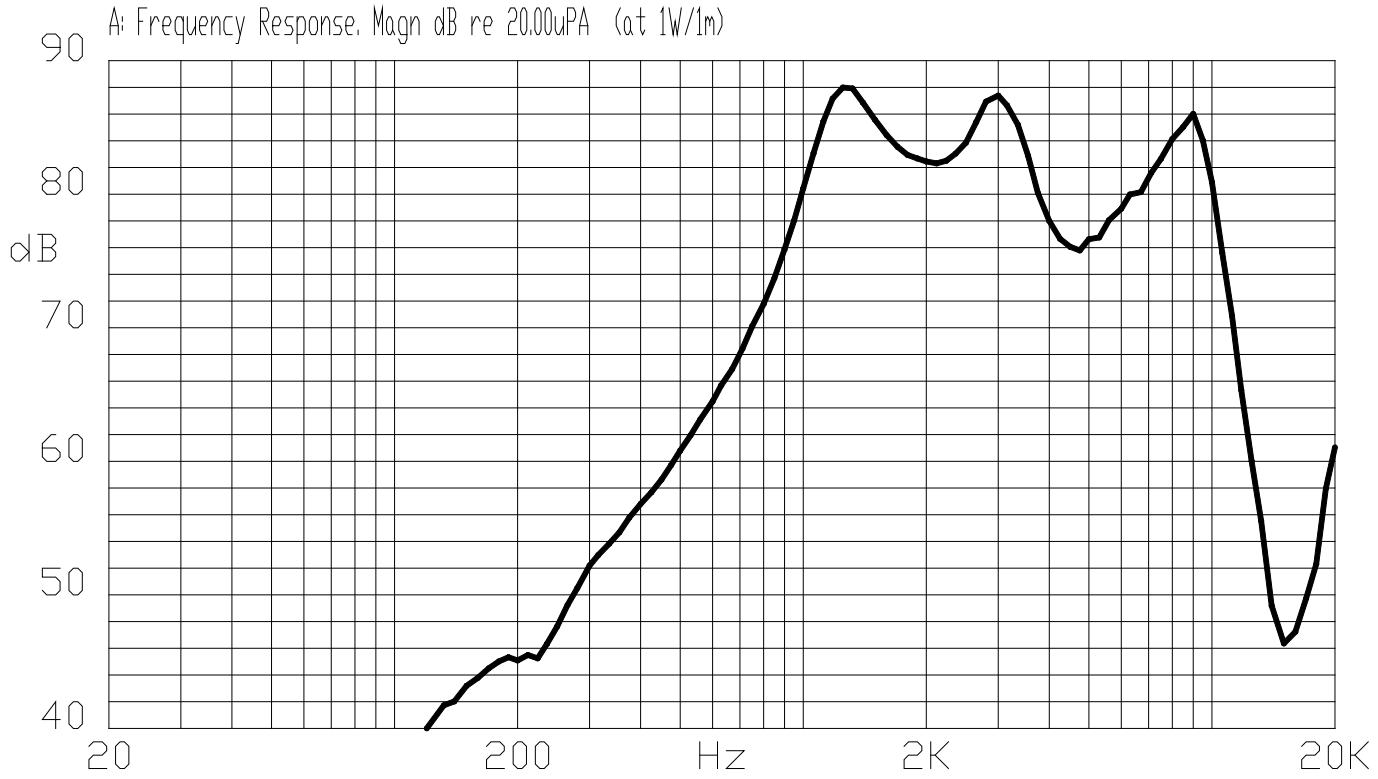
This specification applies speaker, **KSSG3108**

B. SPECIFICATION

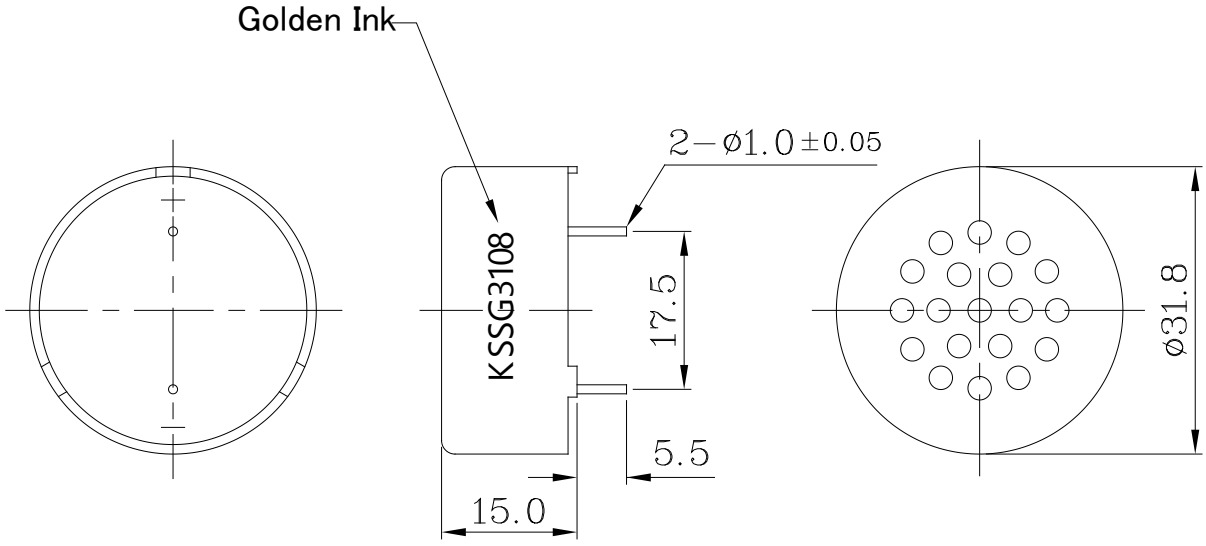
No.	Item	Symbol	Unit	Specification	Condition
1	Dimension		mm	φ 31.8 x 20.5	
2	Power Rating		W	Rated. 0.1 / MAX. 0.2	Maximum Power:IEC-60268-5 Filter 60s On/120s Off 10 Cycles (Room TEMP.)
3	Impedance	Ω	ohm	8 ± 20%	At 1.5kHz 1.0V
4	Resonance Frequency	Fo	Hz	1250 ± 200	At 1.0V
5	Output S.P.L.		dB	95 ± 3dB(0.1w/10cm) 85 ± 3dB(1w/1m)	At 1.5k,2.0k,2.5k,3.0kHz (Average figures)
6	Frequency Rang		Hz	Fo---4K	Output S.P.L. ±10dB
7	Distortion		%	10% Max.	At 1kHz , 0.1W
8	Voice Coil		mm	--------	
9	Magnet		mm	φ 16.0 x 7.0 x 2.5	Ferrite
10	Flux Density		Gauss	--------	Min.
11	Operating temp.		℃	-20 ~ +55	
12	Buzze & Rattle				Not be audible at 0.89V sine wave between Fo ~ 4KHz
13	Weight		g	10.0	
14	Material			ABS UL-94 1/16” HB	
15	Environmental Protection Regulation			RoHS	

C. TYPICAL FREQUENCY RESPONSE CURVE





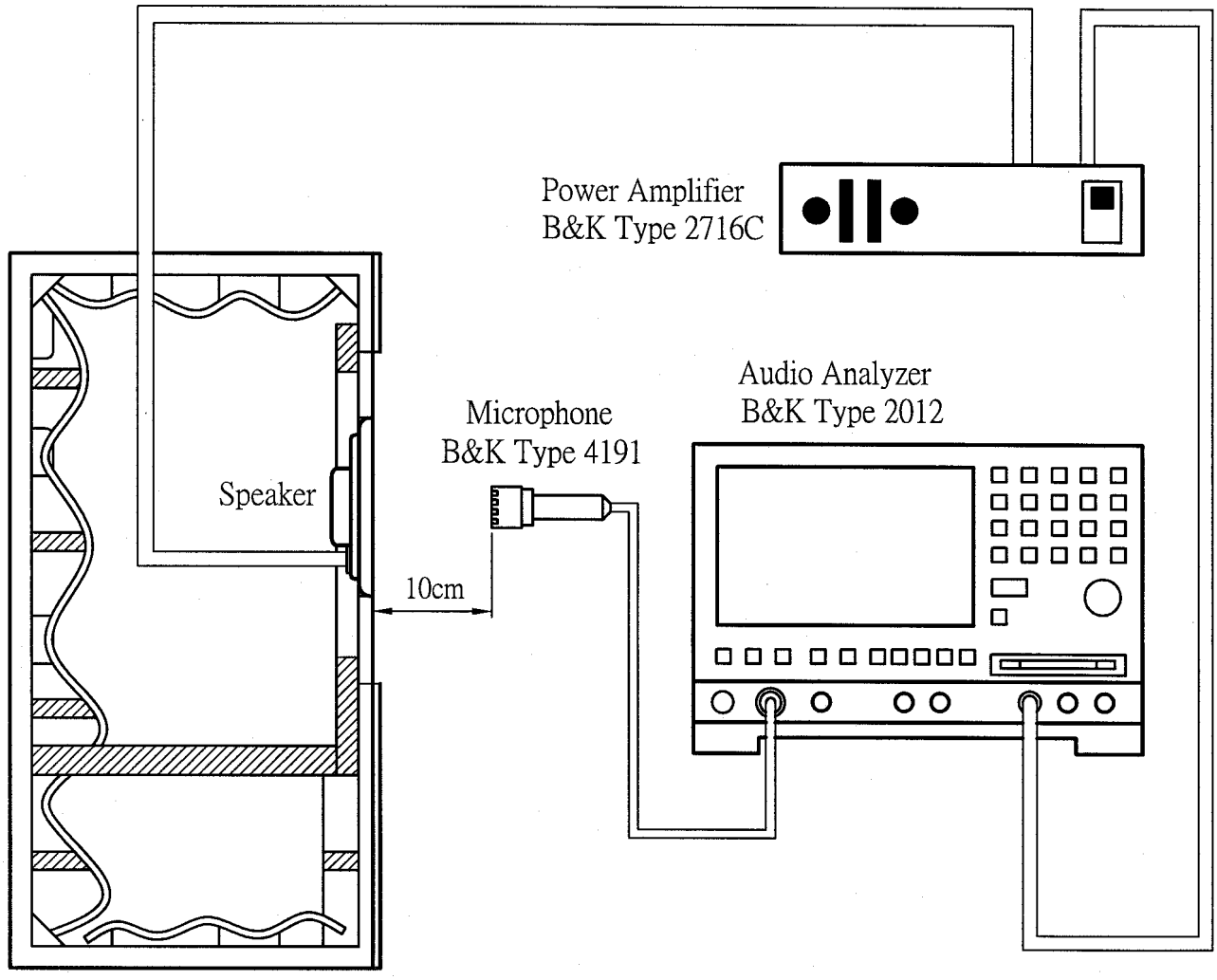
D. APPEARANCE DRAWING



Tol: ± 0.5

Unit: mm

E. MEASUREMENT CIRCUIT

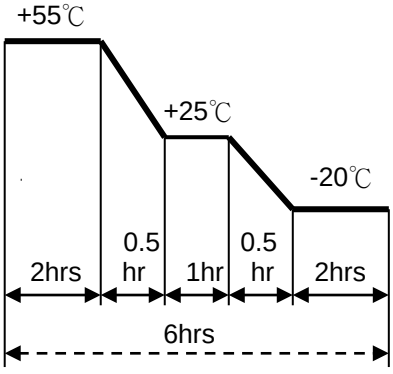


JIS C5531
940mm x 640mm x 1240mm

F. MECHANICAL CHARACTERISTICS

No.	Item	Test condition	Evaluation standard
1	Solderability (Spring Contact excepted)	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +270±5℃ for 3±1 seconds.	90% min. lead terminals shall be wet with solder. (Except the edge of terminal)
2	Soldering Heat Resistance (Spring Contact excepted)	Lead terminal are immersed up to 1.5mm from sounder's body in solder bath of +260±5℃ for 3±1 seconds.	No interference in operation
3	Terminal Pull Strength	(1) Spring Contact: Applied 3N (0.306kg) load to the Spring Contact for 30 sec. (2) Terminal : Applied 9.8N (1.0kg) load to the Terminal for 30 sec.	No damage and cutting off
4	Vibration Test	Speaker shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.	No obstacle to be harmful to normal operation; damages, cracks, rusts and distortions. Should not be audible at 0.89V sine wave between Fo ~ 4KHz
5	Drop Test	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm.	

G. ENVIRONMENTAL TEST

No.	Item	Test conditions	Evaluation standard
1	High temp. Test	After being placed in a chamber at +55℃ for 96 hours	Being placed for 6 hours at +25℃, speaker shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 0.89V sine wave between Fo ~ 4KHz. Fo should meet initial one. S.P.L. deviation of unit should be within ±3dB
2	Low temp. Test	After being placed in a chamber at -20℃ for 96 hours.	
3	Humidity test	After being placed in a chamber at +40℃and 90±5% RH relative humidity for 96 hours.	
4	Temp. cycle test	The part shall be subjected to 5 cycles. One cycle shall be consist of:  	

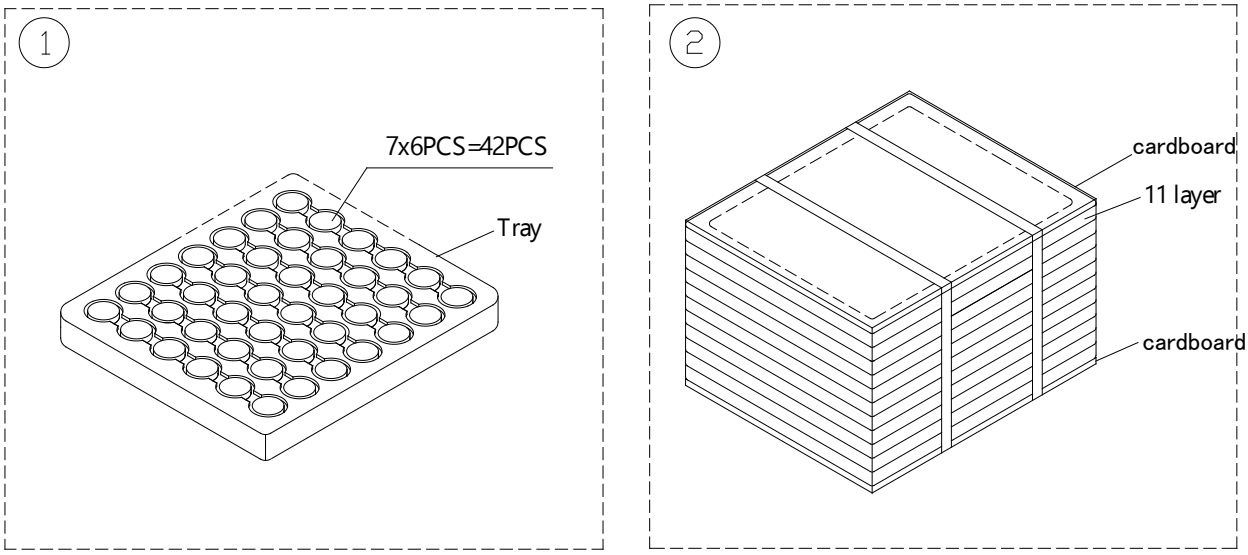
H. RELIABILITY TEST

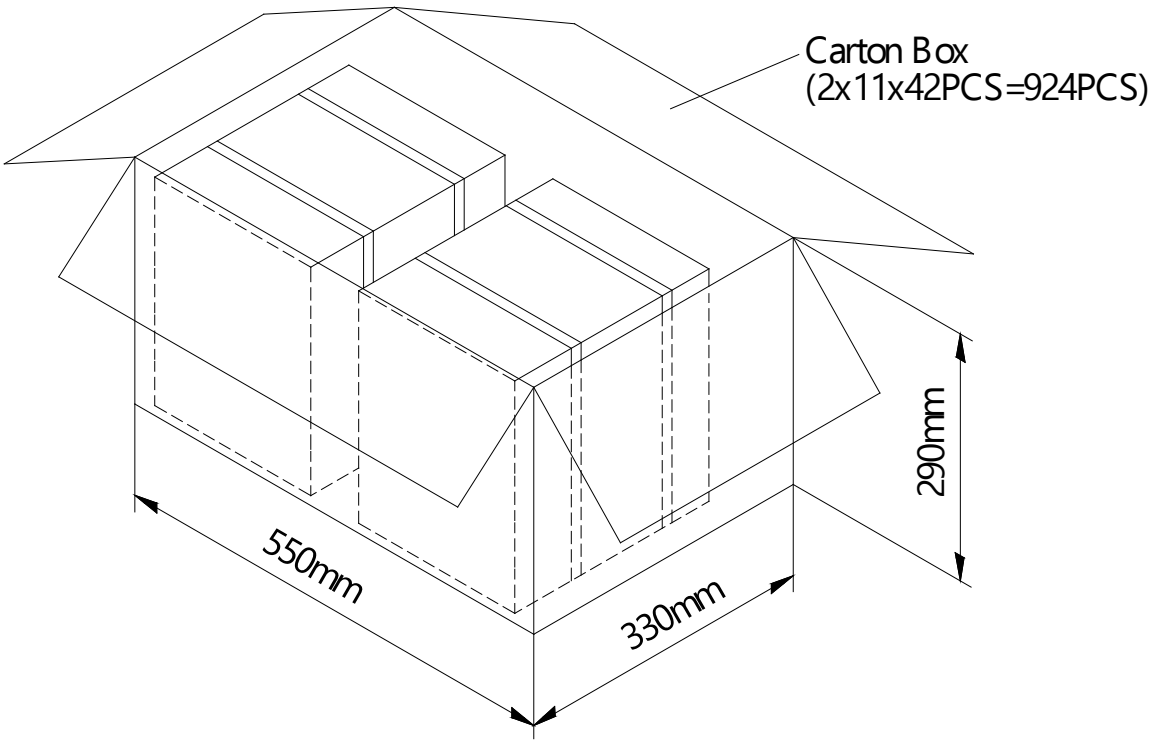
No.	Item	Test conditions	Evaluation standard
1	Load test	0.1W white noise is applied for 24 hours, at room temp.	Being placed for 1 hours at +25℃, speaker shall be measured. No obstacle to be harmful to normal operation; damages, cracks, rusts, etc. Should not be audible at 0.89V sine wave between Fo ~ 4KHz. Fo should meet initial one. S.P.L. deviation of unit should be within ±3dB.

TEST CONDITION.

Standard Test Condition : a) Temperature : +5 ~ +35℃ b) Humidity : 45-85% c) Pressure : 860-1060mbar
Judgement Test Condition: a) Temperature : +25 ± 2℃ b) Humidity : 60-70% c) Pressure : 860-1060mbar

I. PACKING STANDARD





Tray	300mmx255mmx31mm	1x42PCS=42PCS
Carton Box	550mmx330mmx290mm	2x11x42PCS=924PCS