
SPECIFICATION FOR APPROVAL

Product	MAGNETIC BUZZER (SMD)
Part No.	AD-1305-GU2
Customer Approval	

Approved By	Checked By	Made By

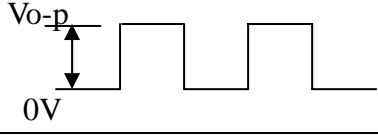


A & B Components

<http://www.speaker-tw.com>

AD-1305-GU2

1.CHARACTER DATA

Items		Units	Specifications	Conditions
01	Rated Voltage	Vo-p	5.0	
02	Operating Voltage	Vo-p	3.0 ~ 8.0	
03	Consumption Current	mA (max)	Mean 40	Standard State, Standard Drive Circuit. Rated Voltage, Rated Frequency, Distance at 10 cm free air, Square Wave 1 / 2 Duty
			Peak 120	
04	Sound Output	dB (min)	85	
05	Resonant Frequency	Hz	2400	
06	Coil Resistance	Ω	45 ± 5	
07	Operating Temp.	°C	-30 ~ +75	
08	Storage Temp.	°C	-40 ~ +85	
09	Weight	Gram	2.0	

2.Test Condition

STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

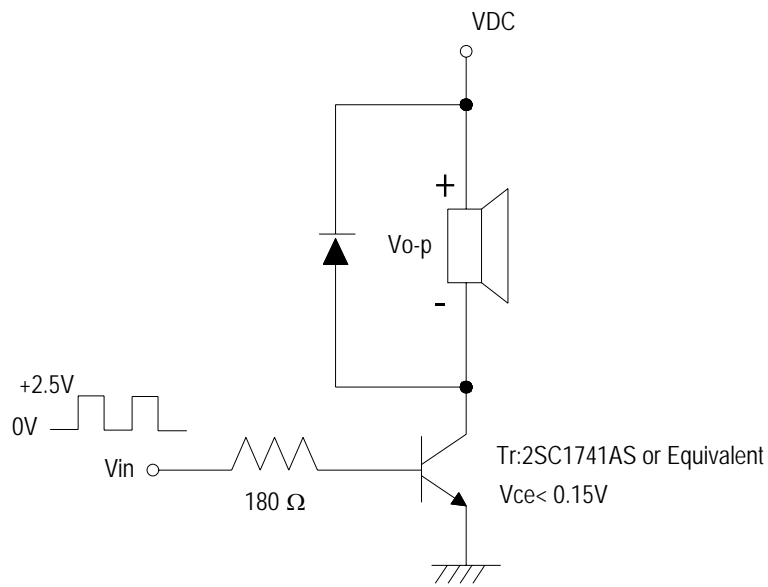
JUDGEMENT

Temperature : 20±3°C

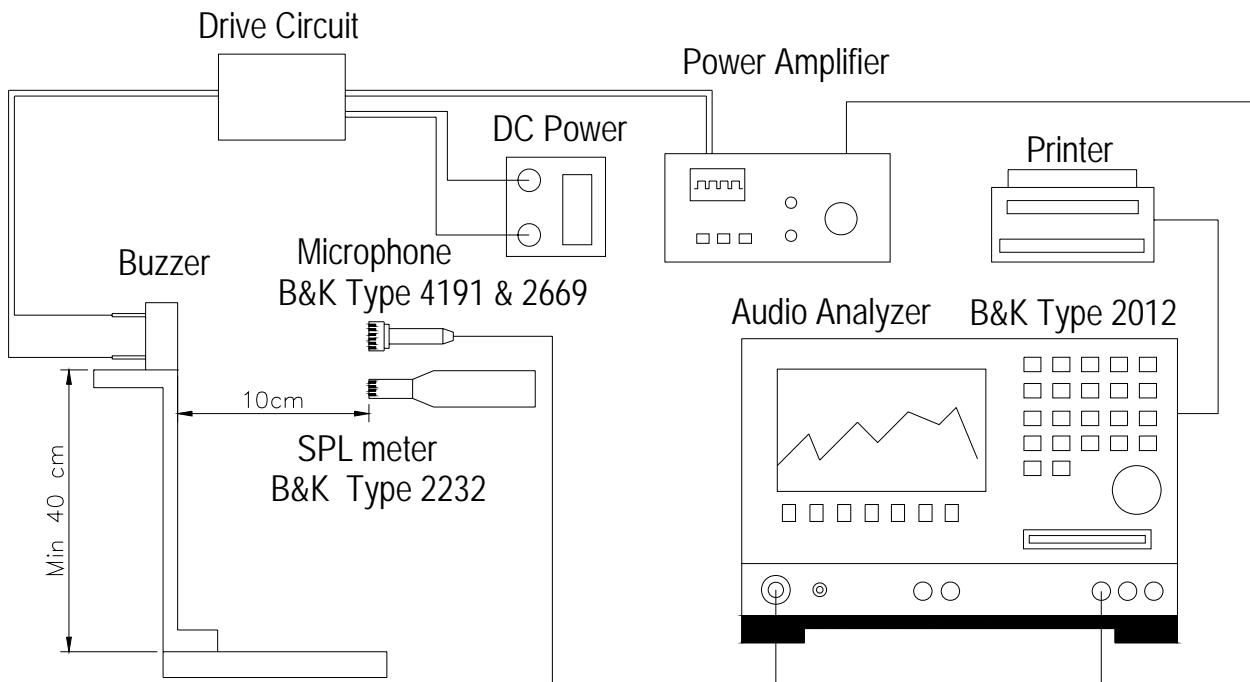
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

Standard Drive Circuit

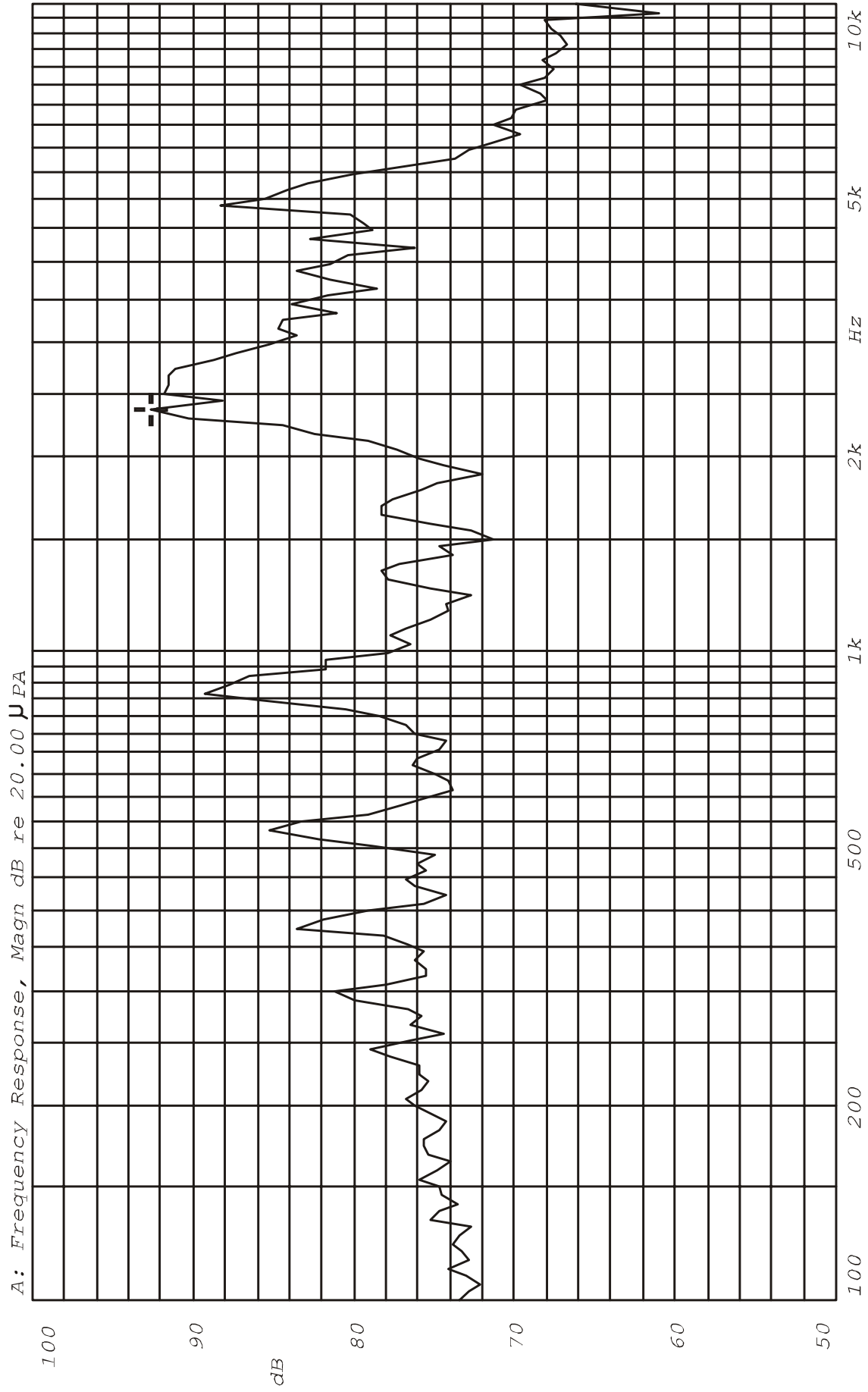


Standard Test Fixture

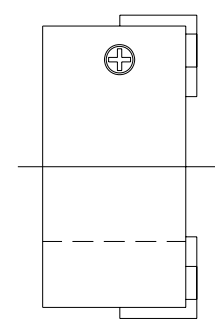
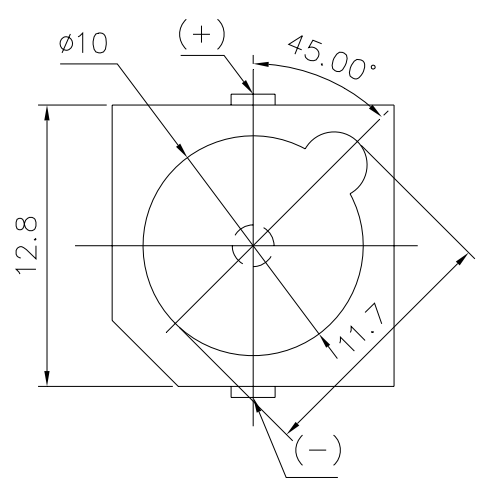
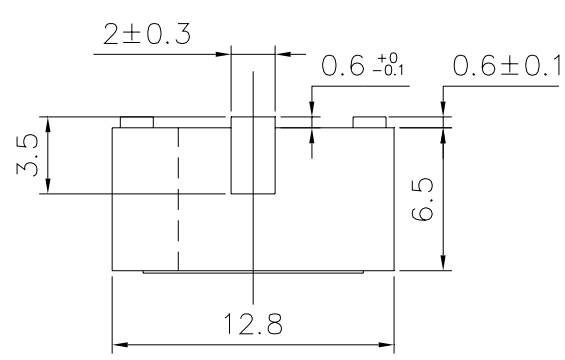
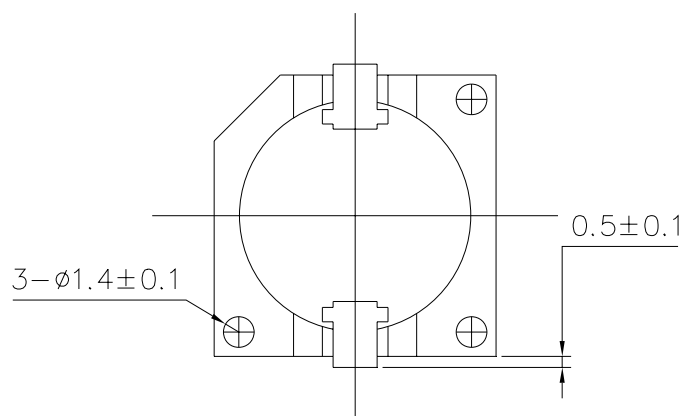


Frequency Response Curve

X:2.3714kHz Y:92.55dB ZA:Live Curve SSR T. RMS



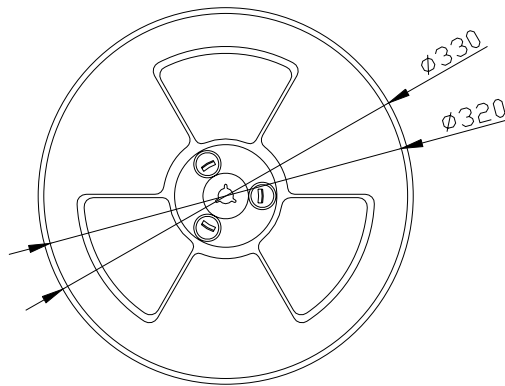
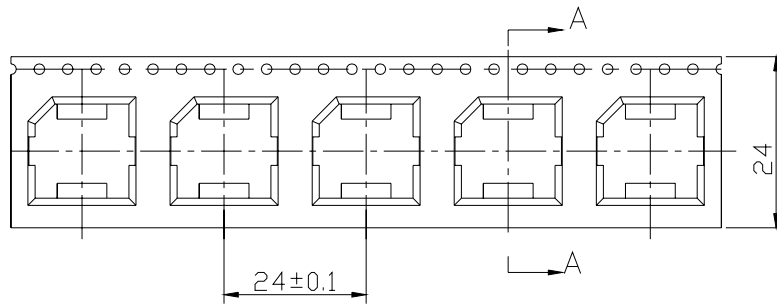
Mode: SSR



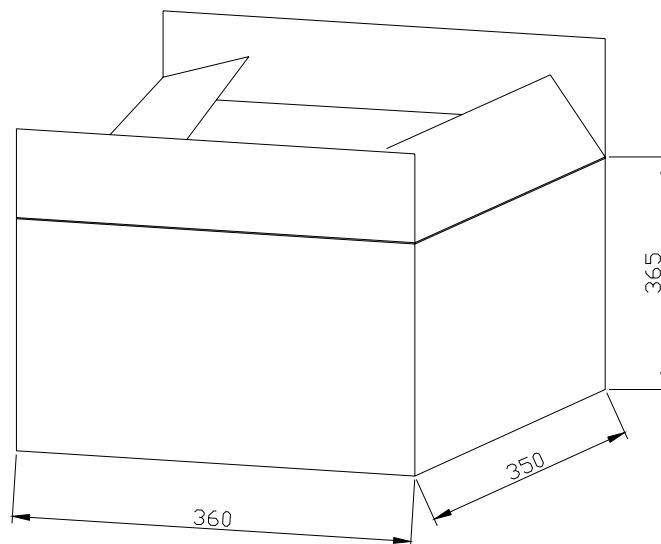
TITLE: SOUND TRANSDUCER DIMENSIONS		DRAWN: <i>Richard</i> 12/26/2005	SCALE: 3/1	SHEET: 1 OF 1
PART NO. AD-1305-GU2	1	DESIGNED: R&D DEP.	UNITS: mm	
DWG NO. DTE-1566		CHECKED:	TOLERANCE ± 0.5	
	REV	APPROVAL:	UNLESS OTHERWISE SPECIFIED:	
		MATERIAL: PPS	ONE PLACE DECIMAL ± ***	
			TWO PLACE DECIMAL ± ***	
			THREE PLACE DECIMAL ± ***	

A & B Components

4.PACKING

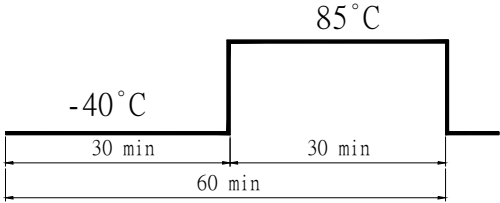
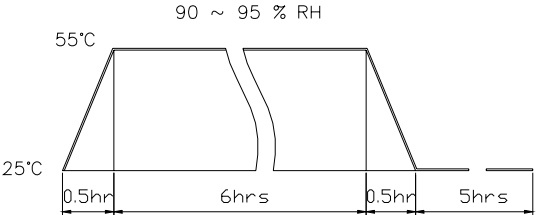


1 REEL = 450 PCS



1 BOX = 10 REELS = 4500 PCS

5.RELIABILITY TEST

	Item	Test conditions	Evaluation standard
01	High temp.Storage life	The part shall be capable of withstanding a storage Temperature of 85°C for 96 hours.	
02	Low temp.Storage life	The part shall be capable of withstanding a storage Temperature of -40°C for 96 hours.	
03	Temp. cycle	<p>The part shall be subjected 10 cycles. One cycle shall consist of;</p>  <p>The diagram shows a temperature cycle with a total duration of 60 minutes. It consists of a 30-minute hold at -40°C, followed by a 30-minute hold at 85°C.</p>	
04	Temp./Humidity cycle	<p>The part shall be subjected 10 cycles. One cycle shall be 12 hours and consist of</p>  <p>The diagram shows a 12-hour cycle. It starts with a 0.5-hour ramp from 25°C to 55°C. This is followed by a 6-hour hold at 55°C with 90 ~ 95 % RH. The cycle then has a 0.5-hour ramp down to 25°C, followed by a 5-hour hold at 25°C.</p>	After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 78dB or more.
05	Operating life	<p>Rated Voltage,Frequency applied.</p> <ol style="list-style-type: none"> 1. Ordinary temperature The part shall be subjected to 1000 hours at room temperature (25 ±10°C) 1. High temperature The part shall be subjected to 500 hours at 75°C 2. Low temperature The part shall be subjected to 500 hours at -30°C 	
06	Vibration	The part shall be subjected to a vibration cycle of 10Hz to 55Hz to 10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm (9.3G). The vibration test shall consist of 2 hours per plane in each three mutually perpendicular planes for a total time of 6 hours.	
07	Fixed drop	The part shall be mounted on standard pc board and dropped from a height of 152cm onto a concrete floor 5 times in each 6 planes.(a total of 30 times)	

Item		Test conditions	Evaluation standard
08	Free drop	The part only shall be dropped from a height of 75cm onto a 40mm thick wooden board 3 times in 3 axes (X.Y.Z). (a total of 9 times).	
10	Lead strength	Pull lead with a force of 10N, on the direction of the lead axis for 10 :10±1 sec	

SOLDER ABILITY

Temperature profile for reflowable Buzzer .

