SPECIFICATION FOR APPROVAL

Customer:				
Description :	PIEZO	Date :	2008-04-01	
Description :	FIEZO	Date .	2008-04-01	
Model No.:	PB - 3020 - 2			
Customer Model No. :				
Drawing No.:				
Approval No. :				
Date of Approval	/	/	/	
Authorization				
Signature				
	211 North Firs Minneapolis, M 612-849-62 info@soberton	t Street N.55401 05		

1.SCOPE

This specification applies piezo audio indicaor PB-3020-2 PB - $\ 30\ 20$ - $\ 2$

2.SPECIFICATOIN

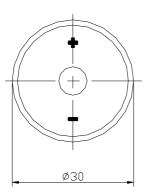
Test condition

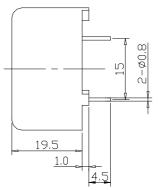
TEMP.=25°C

Item	Unit	Specification
Rated Voltage	VDC	3
Operating Voltage	VDC	2-5
*Rated Current(MAX.)	mA	9
*Sound Output at 30cm(Min.)	dB	90
*Rated Frequency	Hz	3500±500
Lead Pin Material	Red copper	
Operating Temperature	C°	-20~+80
Storage Temperature	C°	-20~+85
Housing Material		PBT
Weight	g	8
Tone Nature	Single	
Value Applying at Rated Voltage.		

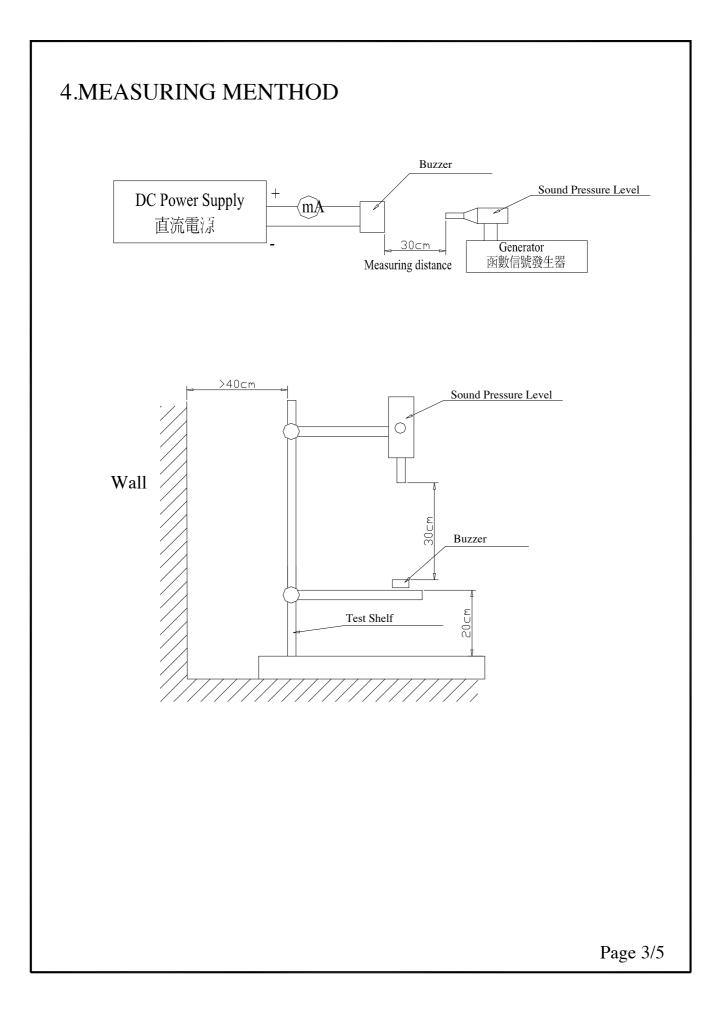
3.APPEARANCE DRAWING

Unit:mm Tolerance:±0.5mm





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7.RELIABLITY TEST

ITEM	TEST CONDITION	STANDARD
Storage in nigh temp.	Storage in +95±2°C test box for 240 hours, then expose to the room temperature for 2 hours without applying power.	
Storage in low temp.	Storage in -40±2°C test box for 240hours, then expose to the room temperature for 2 hours without applying power.	
Storage in numidity	Storage in +40±2°C90-95%RH test box for 48 hours, then expose to the room temperature for 2 hours without applying power.	After test The value of frequency/ current/SPL should be
Femperature cycle test	$\begin{array}{r} +80^{\circ}C \\ -30^{\circ}C \\ 30^{\circ}n \\ 30^{\circ}n$	meet specifications
Vibaration test	9.3g 0.3g 10 10 55 Hz Make this test for the directions of X,Y,Z for 2 hours each (total 6 hours).	
Drop test	Drop from the height of 70cm to the surface of 10mm thick woodenboard.three directions(X,Y,Z).	
Solderability	Soldering temp.:260±5°C. Heat applying time:3 ±0.5sec.	90%min. terminals shall be wet with solder

