SPECIFICATION FOR APPROVAL

Product	PIEZO BUZZER (SELF DRIVE)
Part No.	AZ-4229S-GJB
Customer Approval	

Approved By	Checked By	Made By

A & B Components

http://www.speaker-tw.com

AZ-4229S-GJB

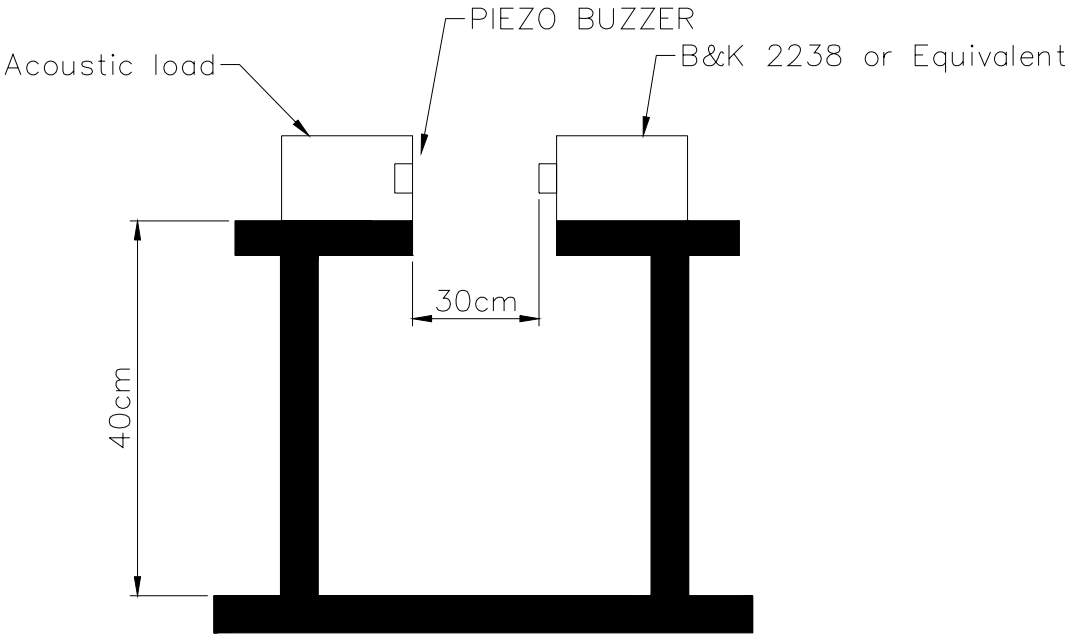
Items		Units	Specifications	Conditions
01	Rated Voltage	DC/AC	110	
02	Operating Voltage	DC/AC	30~120	
03	Rated Current	mA(Max)	18	At 110 DC/AC
04	Sound Output At 30 cm	dBA(Min)	83	At 110 DC/AC
05	Resonant Frequency	Hz	2900±500	
06	Tone Nature	Fast Pulse		
07	Operating Temp.	℃	-20 ~ +60	
08	Storage Temp.	℃	-30 ~ +70	
09	Weight	g	33.8	

Measurement Condition

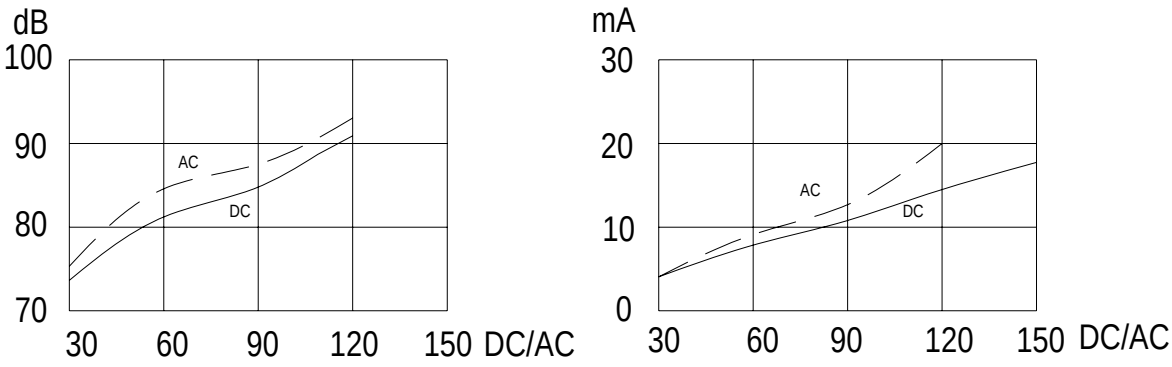
Test and measurement will be carried out under normal condition of temperature within 5℃to 35℃,relative humidity within 45% to 85% and air pressure of 860mbar to 1060mbar. Should uncertainly arise in data obtained from the above atmosphere, control of temperature At 20℃±2℃ and relative humidity within 60% and 70%, with air pressure remaining unchanged, To be enforced.

Value Applying Rated Voltage

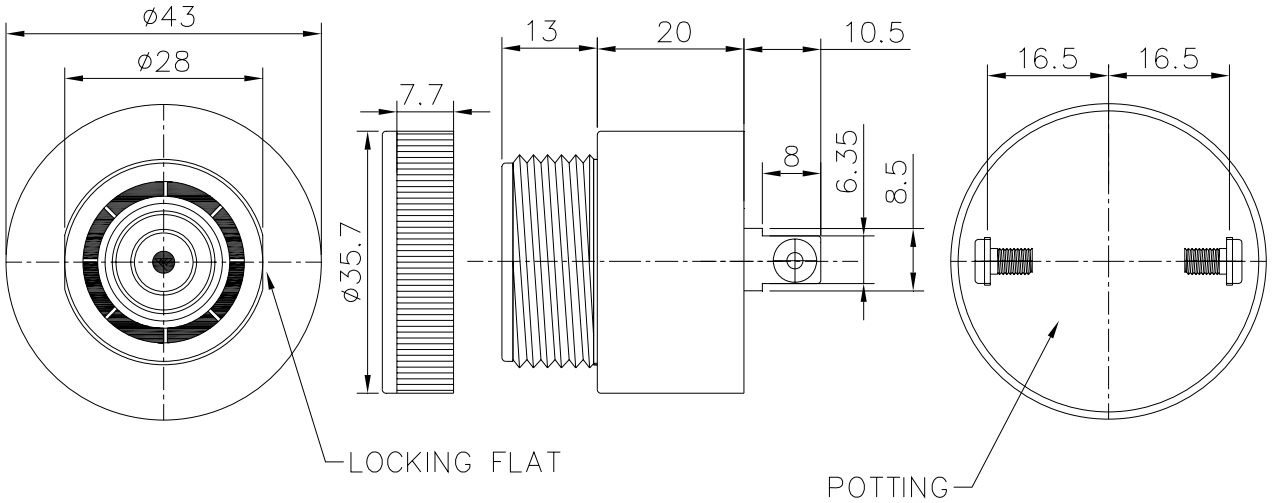
STANDARD TEST FIXTURE



Characteristic



REV NO.	REVISION NOTE	APPROVAL	DATE



TITLE: PIEZO BUZZER		DRAWN: Richard 11/16/2001	SCALE: 1:1	SHEET: 1 of 1
PART NO. AZ-4229S-GJB	1	DESIGNED: R & D DEP.	UNITS: mm	
DWG NO. DTP-1111	REV	CHECKED:	TOLERANCE ± 0.5 mm	
		APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± ***	
		MATERIAL: *****		

A & B Components

RELIABILITY TEST

AZ-4229S-GJB

Item		Conditions	Evaluation standard
01	Low Temp. Storage Test	A℃±2℃ ,240Hr	(S.P.L)Test before numerical ±10dB *wrong (Frequency)Test before numerical ±10% (Current)Test before numerical ±10% (No crake is allowed on the part surface after Free drop test) ● After the test ,the part shall meet the specifications without any degradation in appearance and performance
02	High Temp.Storage Test	B℃±2℃ RH50% ,240Hr	
03	Temp./Humidity Storage Test	40℃±2℃ , RH90-95% 240Hr	
04	Thermal Shock Test	A℃±2℃(1Hr)→ ,20℃±2℃(1Hr) B℃±2℃(1Hr)→ ,20℃±2℃(1Hr)10 cycle	
05	Vibration Test	10-55Hz/1min amplitude1.5mm,X,Y,Z,3 directions	
06	Mechanical Shock Test	+100G,Sine wave, XYZ , 3 impacts per axis	
07	Free Drop Test	The part shall be dropped freely from a height of 75 cm onto concrete 1 time in 2 axes (total 4 times)	
08	Life Burning Test	The part shall be subjected to 1000 hrs in the room temp with rated voltage applied	
09	Lead Wire / Pin Pull Test	The Part checking standard : Following supplier's Spec. Finished–part checking Standard vertical Pull i)100g MIN 0.05mm Thickness of ceramic ii)300g MIN 0.1mm≦Thickness of ceramic b: Horizontal Pull i)700g MIN	

Remark : "A"means Storage low temp. "B"means Storage high temp