SPECIFICATION FOR APPROVAL

Product	PIEZO BUZZER(SELF DRIVER)
Part No.	AZ-2835S-W
Customer Approval	

Approved By	Checked By	Made By

A & B Components

http://www.speaker-tw.com

1.Specifications

AZ-2835S-W

Items		Units	Specifications	Conditions
01	Rated Voltage	VDC	12.0	
02	Operating Voltage	VDC	4.0~16.0	
03	Rated Current (Max)	mA	15	At 12VDC
04	Min Sound Output	dBA	85	At 12VDC / 30cm
05	Resonant Frequency	Hz	3500±500	
06	Tone Nature	Single		
07	Operating Temp.	℃	-30 ~ +75	
08	Storage Temp.	℃	-40 ~ +85	
09	Weight	g	15	

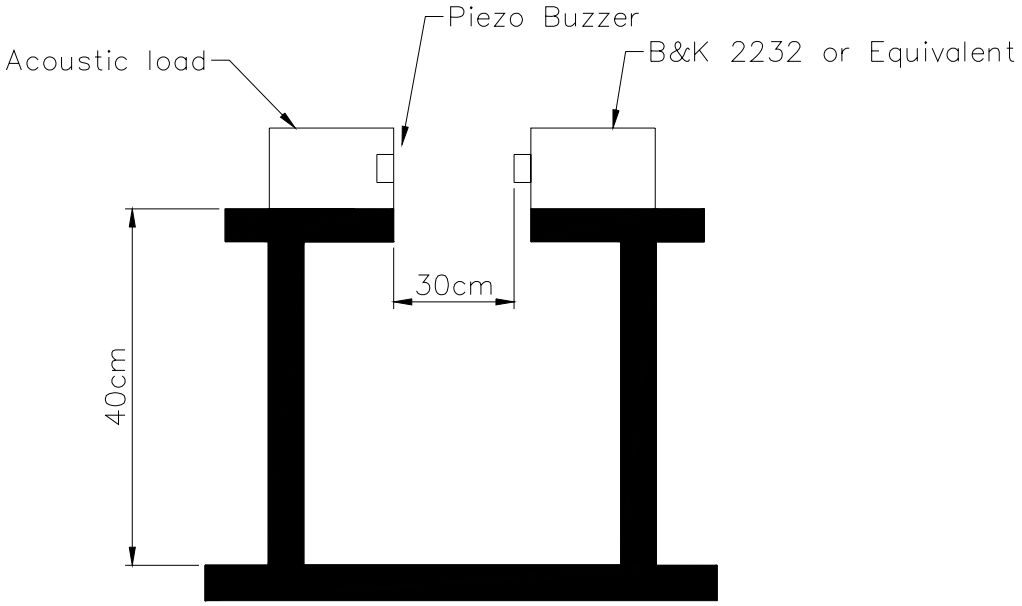
2.Measuring Method

Test Condition

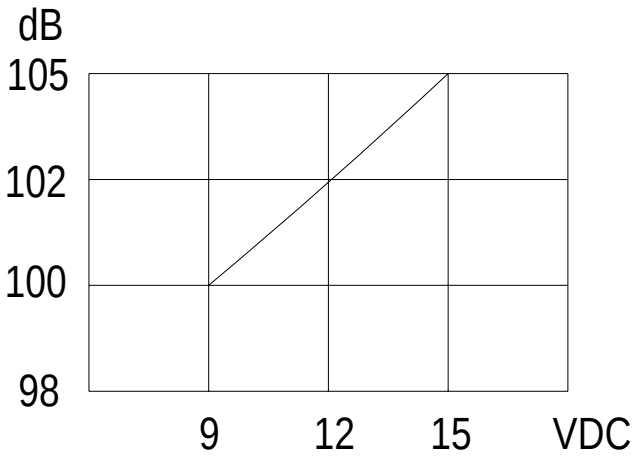
STANDARD
Temperature : 15 ~ 35℃
Relative humidity : 25% ~ 85%,
Atmospheric pressure : 860mbar to 1060mbar.

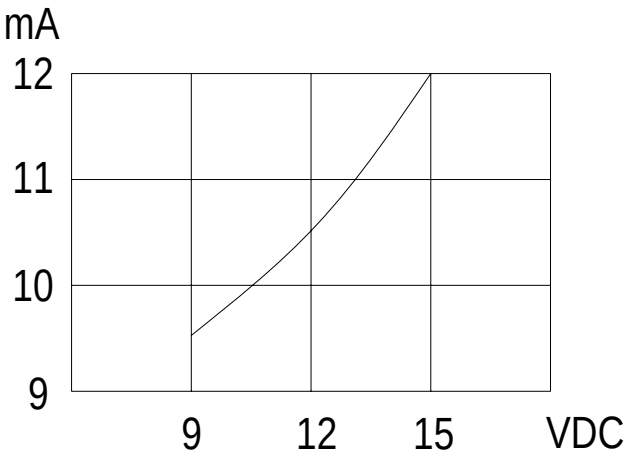
JUDGEMENT
Temperature : 20±3℃
Relative humidity : 60% ~ 70%,
Atmospheric pressure : 860mbar to 1060mbar

Standard Test Fixture

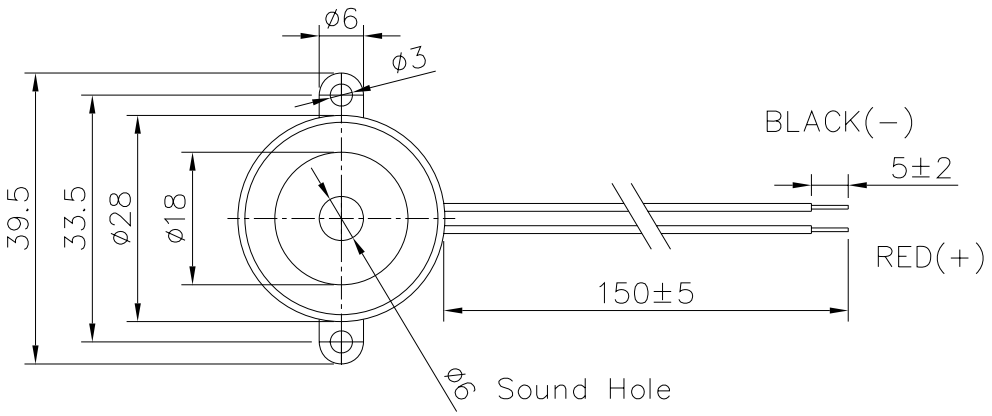


Frequency Response Curve

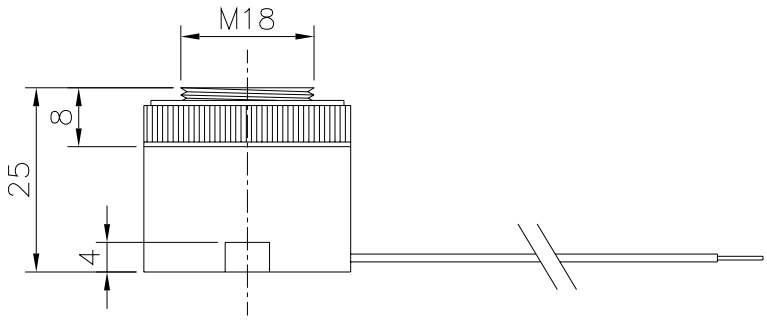


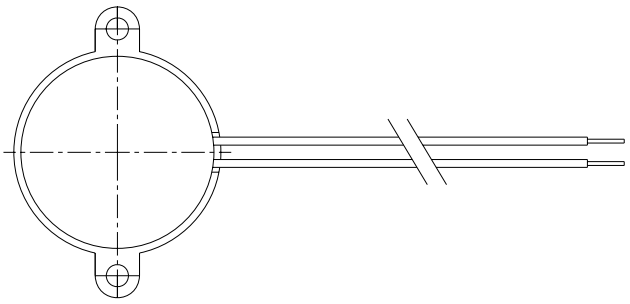


REV NO.	REVISION NOTE	APPROVAL	DATE



WIRE : UL1007 , 26AWG .

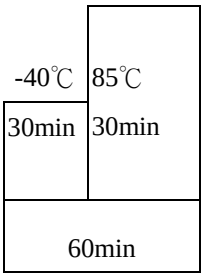




TITLE: PIEZO BUZZER	DRAWN: Richard 03/08/2007	SCALE: 1:1	SHEET: 1 of 1
	DESIGNED: R & D DEP.	UNITS: mm	
PART NO. AZ−2835S−W	CHECKED:	TOLERANCE ± 0.2	
DWG NO. DTP−1193	APPROVAL:	UNLESS OTHERWISE SPECIFIED: ONE PLACE DECIMAL ± *** TWO PLACE DECIMAL ± *** THREE PLACE DECIMAL ± ***	
1 REV	MATERIAL: ABS		

A & B Components

4.RELIABILITY TEST

Item		Test conditions	Evaluation standard
01	High temp.Storage life	The part shall be capable of withstanding a storage Temperature of 85℃ for 96 hours.	After the test the part shall meet specifications without Any degradation in appearance and performance except S.P.L S.P.L shall be 74dB or more.
02	Low temp.Storage life	The part shall be capable of withstanding a storage Temperature of -40℃ for 96 hours.	
03	Temp. cycle	The part shall be subjected 5 cycles. One cycle shall consist of;  	
04	Temp./Humidity cycle	The part shall be subjected with 90~95% R.H at +40℃ for 96 hours.	
05	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).	
06	Lead Strength	Pull lead with a force of 10N,on the direction of the lead axis for 10 :10±1 sec	
07	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.	

SOLDERING CONDITION

Recommend using constant branding iron in 30W, and in temperature range 320±10°C.
Soldering time 2 seconds.