

**MESSRS.**

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**SPECIFICATION FOR APPROVAL****承 認 书**

<b>Product</b>	<b>PIEZO BUZZER (SELF DRIVE)</b>
<b>Part No.</b>	<b>AZ-3828S-C (RoHS)</b>
<b>Customer Approval</b>	

<b>Approved By</b>	<b>Checked By</b>	<b>Made By</b>
王台平 NOV-12-2012	曹丽萍 NOV-12-2012	LILY NOV-12-2012

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EDITION:1.1

# 1.Specifications

**AZ-3828S-C (RoHS)**

Items		Units	Specifications	Conditions
01	Rated Voltage	VDC	9	
02	Operating Voltage	VDC	3~24	
03	Rated Current	mA(Max)	10	At 9VDC
04	Sound Output At 30 cm	dB(A)(Min)	80	At 9VDC
05	Resonant Frequency	Hz	2800±500	
06	Tone Nature	Continuous		
07	Operating Temp.	°C	-20 ~ +70	
08	Storage Temp.	°C	-30 ~ +80	
09	Weight	g	11.5	

## 2. Measuring Method

### 2-1. Test Condition

Temperature : 15 ~ 35℃

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

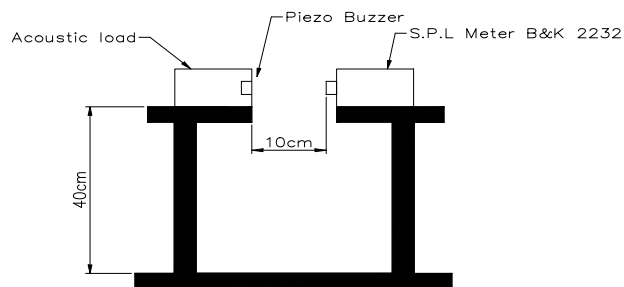
### JUDGEMENT

Temperature : 20±3℃

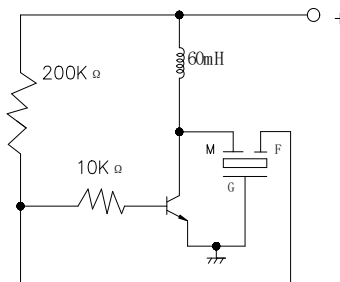
Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

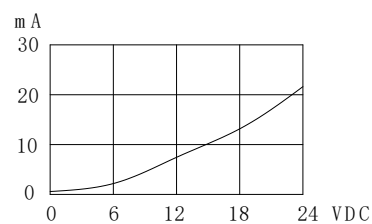
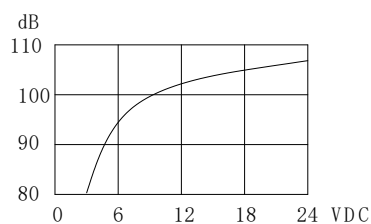
### 2-2. Standard Test Fixture



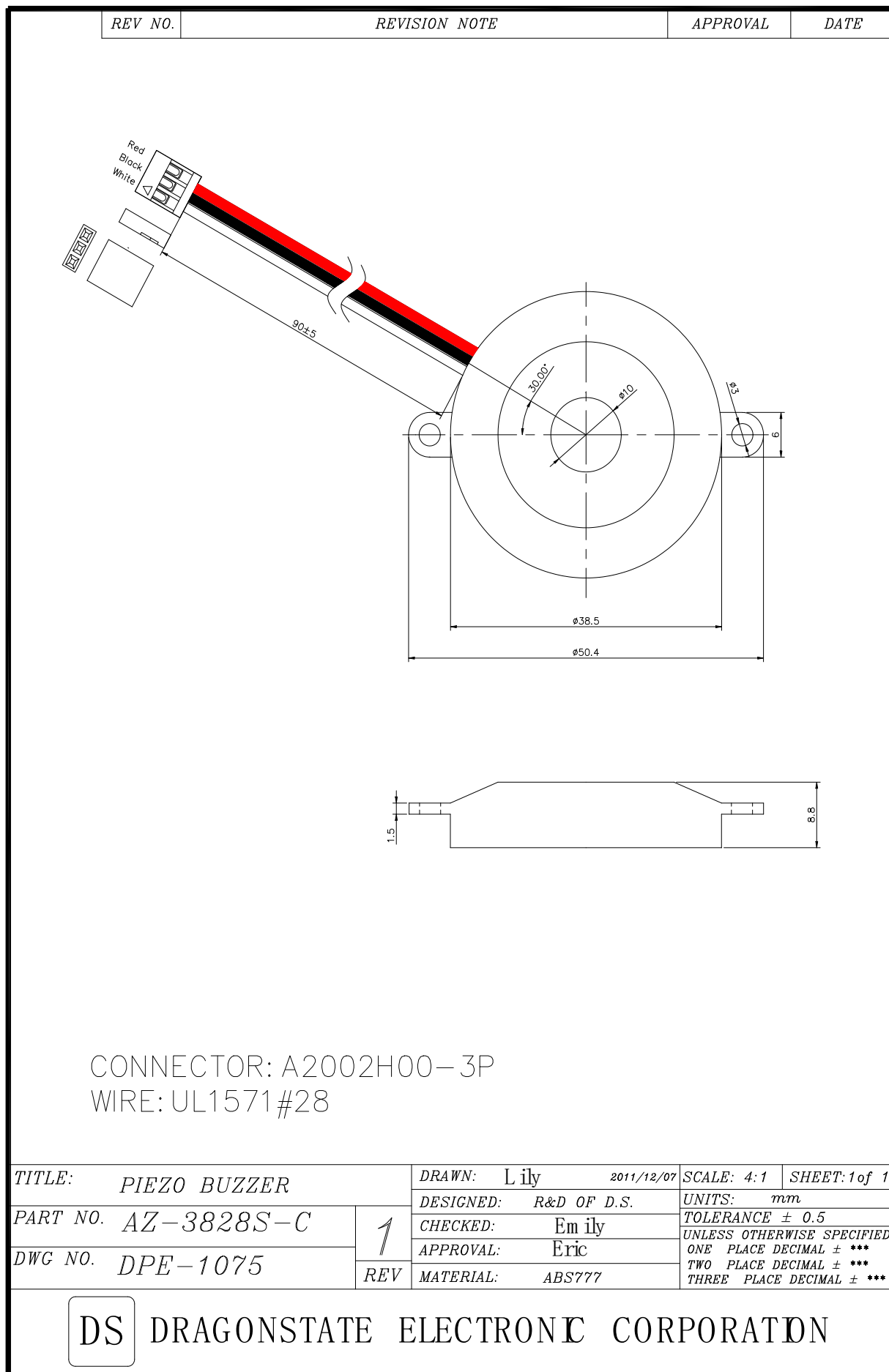
### 2-3. Test Circuit



### 2-4. Characteristic Curve



### 3.DIMENSION



#### 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 <div><div><div>-40℃ 30min</div><div>85℃ 30min</div></div><div>60min</div></div> 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.	

#### 5.SOLDERING CONDITION

Recommend using constant branding iron in **30W**

Soldering : 360±5℃ / 2 Sec.

Solderbath : 260±5℃ / 2 sec