

**MESSRS.**

---

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

<b>Product</b>	<b>PIEZO BUZZER</b>
<b>Part No.</b>	<b>DZ-1325-48W44 (RoHS)</b>
<b>Customer</b>	
<b>Customer Part No.</b>	

<b>Approved By</b>	<b>Checked By</b>	<b>Made By</b>
王台平 JAN-10-2019	曹丽萍 JAN-10-2019	LILY JAN-10-2019

**常 州 华 龙 电 子 有 限 公 司****DRAGONSTATE ELECTRONIC CORPORATION**

中国江苏省常州市新区电子园新四路 36 号

Tel: +86-519-85110078. 86-519-85106698, Fax: +86-519-85101081

**EDITION:1.1**

## 1. Specifications

**DZ-1325-48W44 (RoHS)**

Items		Units	Specifications	Conditions
01	Rated Voltage	Vp-p	10	(square wave)
02	Operating Voltage	Vp-p	3 ~ 30	
03	Rated Current	mA(Max)	8	
04	Sound Output At 10cm	dBA(Min)	80	Rated Voltage , Rated Frequency / distance 10cm
05	Resonant Frequency	Hz	4800	
06	Capacitance	pF	15000 $\pm$ 30%	At 120Hz
07	Resistance (after soldering)	M $\Omega$	$\geq$ 10	apply DC 10V ,
08	Operating Temp.	°C	-20 ~ +70	
09	Storage Temp.	°C	-30 ~ +80	
10	Weight	g	1	

## 2. Measuring Method

### 2-1. Test Condition

#### STANDARD

Temperature : 15 ~ 35°C

Relative humidity : 25% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

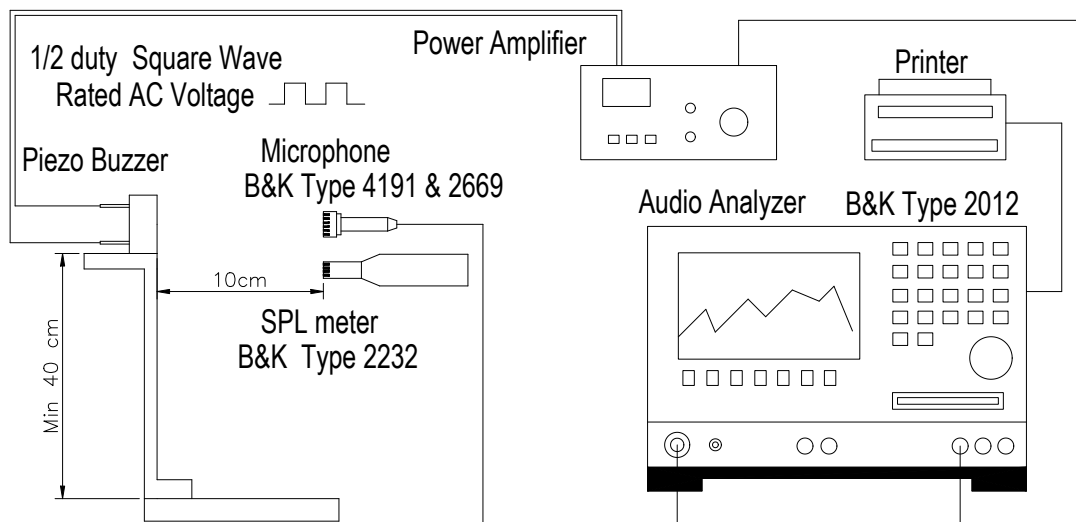
#### JUDGEMENT

Temperature : 20 $\pm$ 3°C

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

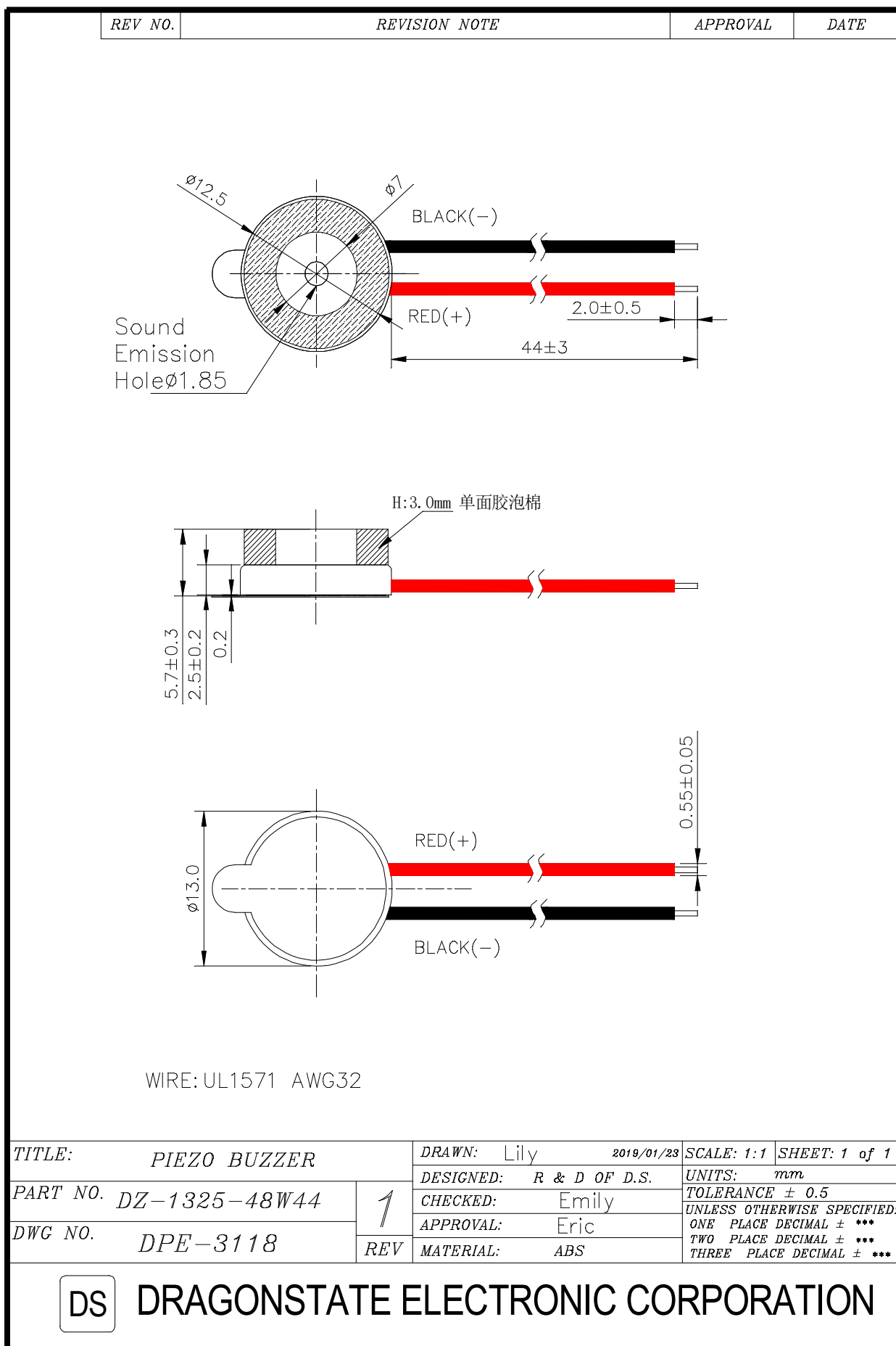
## 2-2. Standard Test Fixture



## 2-3. Frequency Response 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 80℃ 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 -30℃ for 96 hours.	
03	Temp. cycle	The part shall be subjected 5 cycles. One cycle shall consist <div><div><div>-30℃ 30min</div><div>80℃ 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.	
08	Solder ability	Soldering : 350±5℃ / 3~5Sec.	