



## SPECIFICATION OF PRODUCT 承认书

CUSTOMER: \_\_\_\_\_

DESCRIPTION : Dynamic Speaker

FUSHENG P/N: FS-2045

CUSTOMER P/N: \_\_\_\_\_

DATE : 2021/11/12

CUSTOMER	APPROVER	CHECKER
	Yunqing Wu	Bing Yan

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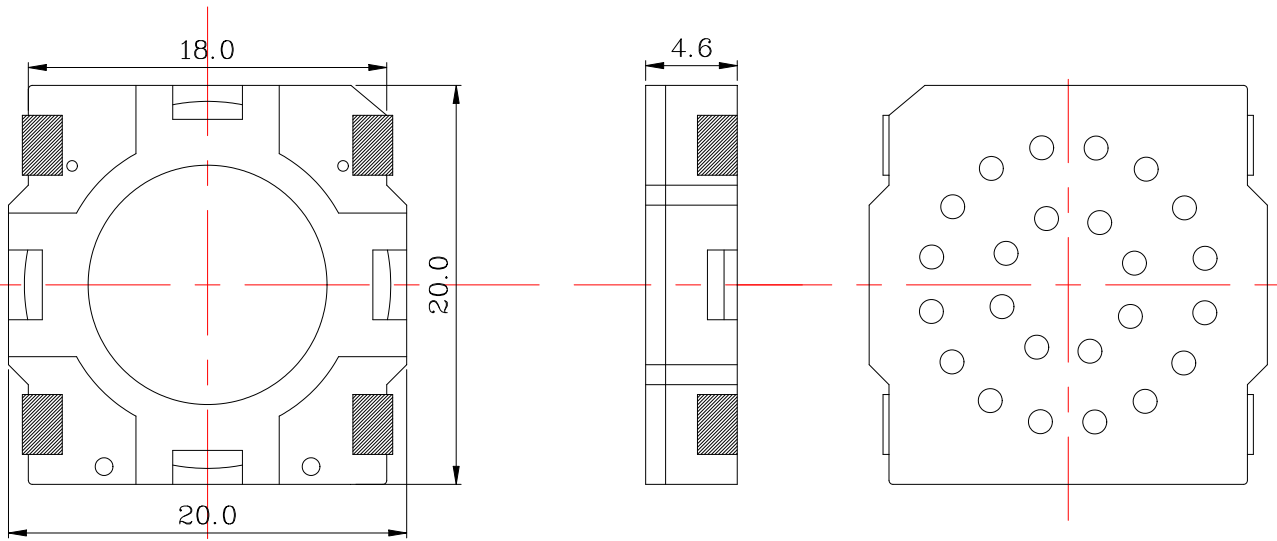
邮箱: sales@electronic-tech.cn

网址: [www.tzfsdz.com](http://www.tzfsdz.com)

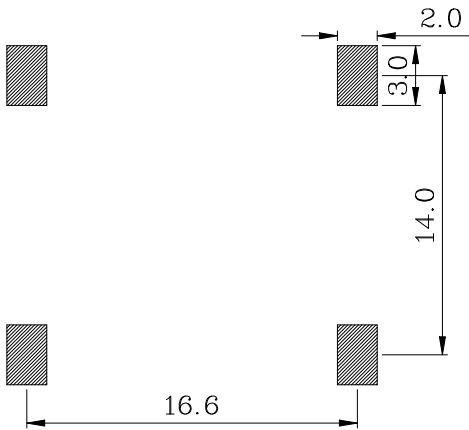
**1.SPECIFICATION 规格**

01	Type	Dynamic speaker	
02	Dimension	External diameter 20*20 mm	
03	Rated Input Power	0.8 W	
04	Impedance	8 ohm $\pm$ 15% at 1KHz	
05	Resonance Frequency (Fo)	900 Hz $\pm$ 20% at Fo, 1V	
06	Sensitivity (S.P.L.)	90dB(0.5W/0.1m) $\pm$ 3 dB	at AVE 1.0K, 1.2K, 1.5K 2.0K(Hz).
07	Frequency Range	Fo - 10KHz	
08	Distortion	Less than 10 % at 2000Hz 0.8W	
09	Max. Input Power	Must be normal at 1.2W white noise for 1 minute.	
10	Voice Coil	Diameter 10.4 mm	
11	Magnet	Rare earth permanent (Nd-Fe-B) magnet $\Phi$ 9.5 x 1.2mm	
12	Weight	3g $\pm$ 0.1g	
13	Appearance	Should not exist any obstacle to be harmful to normal operation; damages, cracks, rusts and distortions, etc.	
14	Operation Test	Must be normal at program source 0.8W	
15	Buzz, Rattle, etc.	Should not be audible at 2.56V sine Wave between Fo to 10KHz	
16	Polarity	When positive voltage is applied to the terminal marked (+), diaphragm should move to the front.	
17	Terminal Strength	Capable of withstand 1kg load for 30 seconds without resulting in any damage or rejection.	
18	Load Test	0.8W white noise is applied for 96 hours and satisfy the test listed on item 05, 06, 13, 15	
19	High Temp. Test	Keep 96 hours at +70°C $\pm$ 3°C and leave 3 hours in normal temperature and then check	
20	Low Temp. Test	Keep 96 hours at -20°C $\pm$ 3°C and leave 3 hours in normal temperature and then check	
21	Humidity Test	Keep 96 hours at + 60°C $\pm$ 3°C relative humidity 95% and leave 3 hours in normal temperature and then checked.	
22	Drop Test	Drop the speakers contained in normal box onto the board 20mm thick 10 times from the height of 0.75m and then should satisfy the test listed on item 13 and 15	

## 2. APPEARANCE DRAWING 尺寸图

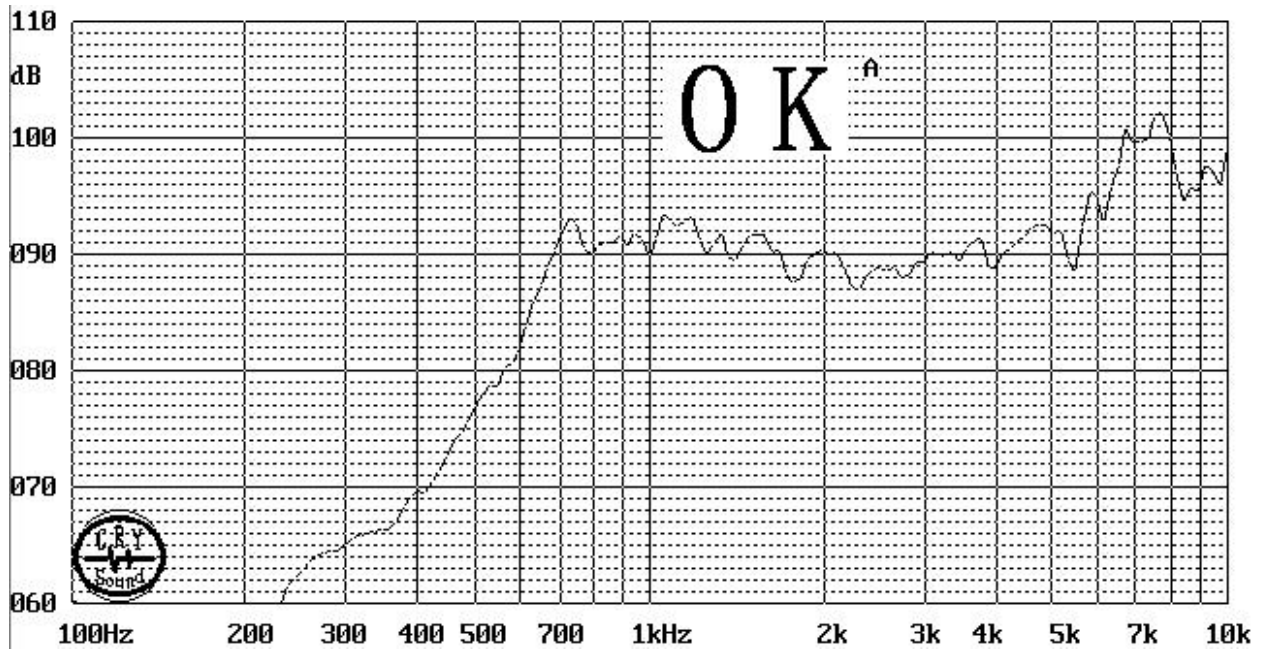


## Recomended Land Pattern:



**Tol : ± 0.5      Unit: mm**

### 3.Frequency Response



### 4. Electrical And Acoustical Measuring Condition

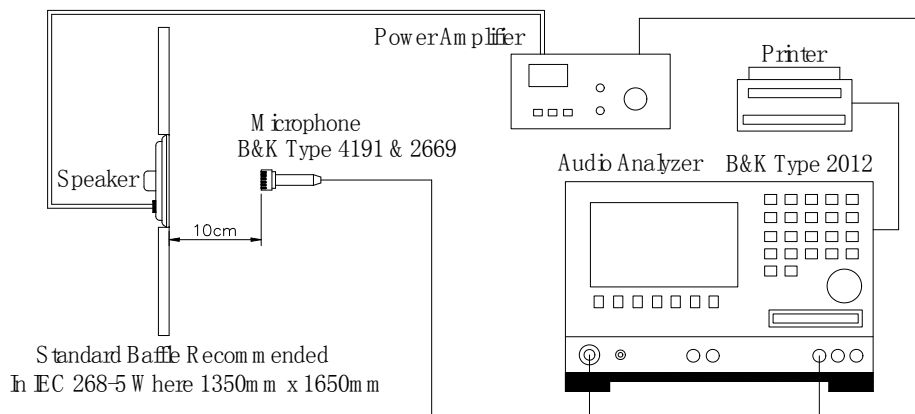
Test and measurement will be carried out under normal condition of temperature

within 5°C to 35°C, 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°C±2°C and relative humidity within 60% and 70%, with air pressure remaining unchanged, To be enforced.

1. Microphone : B&K 4191
2. Standard Baffle : In IEC 268-5 Where 1350mm x 1650mm
3. Testing Distance : 0.1m
4. Zero Level : -dB
5. Mode : SPEAKER
6. Input Power : 0.8W
7. potentiometer Range : 50dB
8. Sweep Time : 0.5sec



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