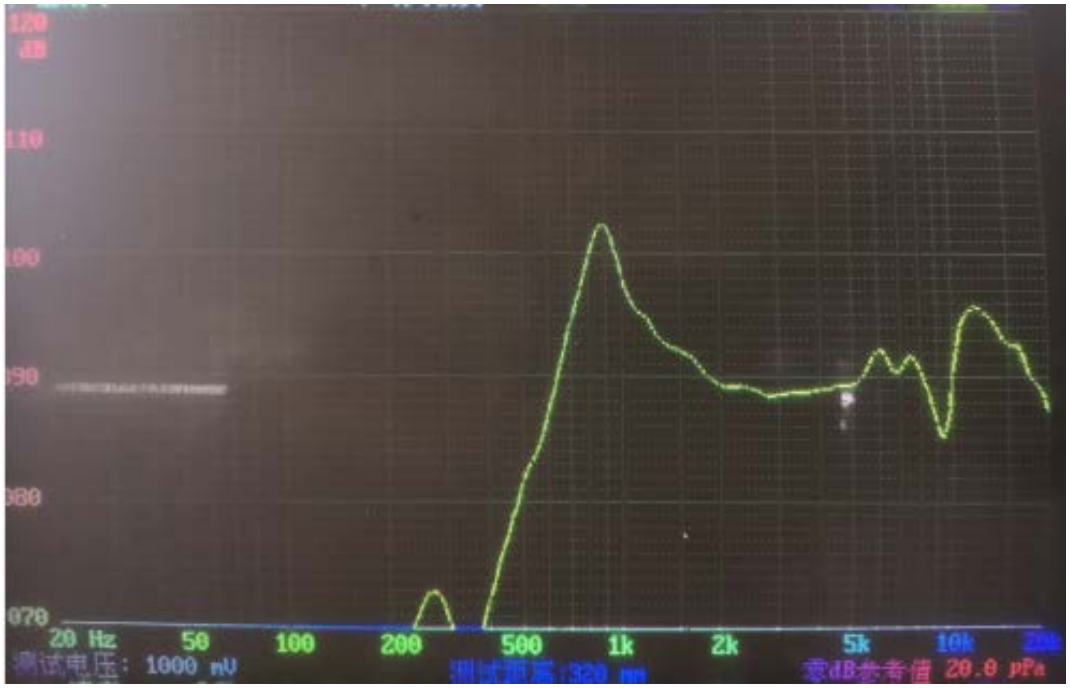
FBF30-1T

Description	Φ 30　50Ω 0.5W
impedance	50±20%　　at　1 kHZ
sensitivity	98±2dB
Frequency response (F0)	850Hz-950Hz
Test equipment	JH6160(R)
Voltage input	1.5V



Environmental performance

Working humidity	-20℃CO +50℃
Working temperature	30%～75%RH (NO　dew condensation)
Storage temperature	-20℃Co+50℃
Storage humidity	20%～80%(Water　vapor pressure　6643pa　Max
Storage	1year
defectives	10ppm　Max

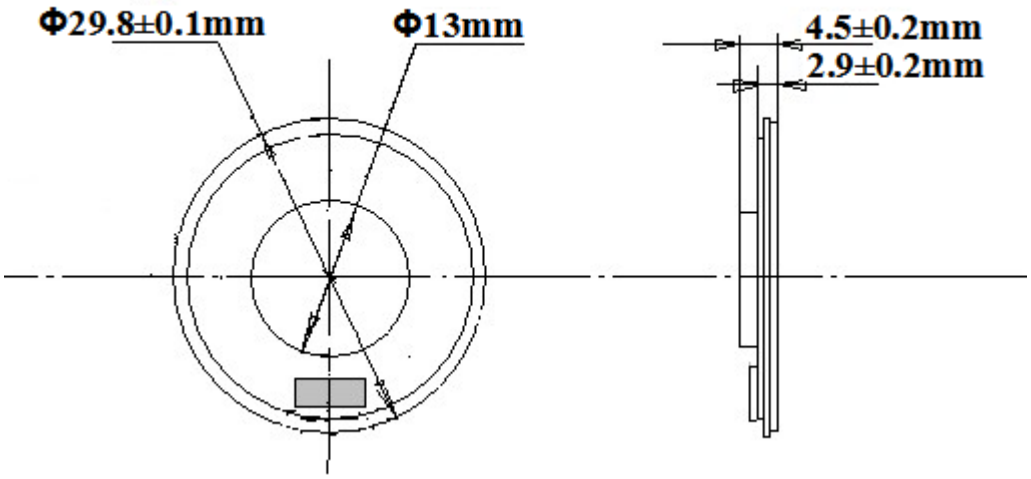
Reliability

	Item	Condition	Requirement	equipment
Electrical	high temperature resistance	50℃±2℃ 30h	no deformation	Oven
	low temperature resistance	-20℃ 30h	no deformation	freezer
	Thermal Shock	-20 ℃ -50 ℃ for 30 minutes each, with temperature rise and fall below 10 minutes. 50 cycles	no deformation	Oven freezer
	Humidity resistance	Temperature 50 ± 2 ℃ Humidity: 80% 30h	no deformation	Humidification oven
soldering	solderability	Electric soldering iron temperature: 300 ± 5 ℃ for 3 ± 0.5 seconds		electric iron
	Resistance to Soldering Heat	Place 2.5 seconds on the soldering iron wire at 300 ± 5 ℃		Reflow
Mechanical	vibrate	Vibration frequency: 10-45HZ; amplitude: 1mm; acceleration: 10G; vibration speed change: 10-45-10HZ; X, Y, Z axis vibration time: 1 hour each	Still work normally	external
	Falling	Drop the wooden board from a height of 75 ± 5CM to a thickness of 2CM three times		self-made

*The testing equipment for the above electrical performance is 200B, and testing can only be carried out after completing the test for 1 hour.

Size

Name	Size (mm)
Outer diameter	Φ29.8±0.1mm
Height	4.5±0.2mm



Appearance test standard

Item		Grade	Sample standard	Test method	Test standard
Appearance	Tin-plated	A	G-II,AQL=0.25	Observe visually	No yellowing or spots.
	shell	B	G-II,AQL=0.25	Observe visually	No severe yellowing, no obvious scratches.
	Mark	B	G-II,AQL=0.01	Observe visually	The product identification requires clear handwriting, and the wording should match the contract review

Manual welding temperature

Manual welding temperature 300 ± 5 ℃, welding time 2 ± 0, 5 seconds. ∆ f/f<10ppm, ∆ RS<10%

Storage and usage conditions

1. Storage conditions

(1) Storage temperature: -20 ℃+50 ℃

(2) Storage humidity: below 71%

(3) Storage period: Use within 2 years after inclusion After more than 2 years, please confirm the weldability before use

Note: The storage environment should not contain acidic, alkaline, or other chemically corrosive gases, and direct sunlight is not allowed

2. Usage conditions: ambient temperature; -20℃+50℃

Relative humidity: not exceeding 75% at 40 ℃

3. Mechanical durability or individual design service life: ≥ 2 years