

SPEAKER SPECIFICATIONS

(扬声器规格书)

PRODUCT NO. **TSB28E-8A (LEAD FREE)**
(产品型号)

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SPECIFICATIONS

(规格要求)

ITEMS 项目	OUR PART NO. 本厂型号	TEST CONDITION 测试条件
	<i>TSB28E-8A</i>	
	<i>0.3W</i>	
	<i>0.5W</i>	
	<i>90 ± 3dB</i>	<i>0.1m 0.1w</i>
	<i>8 Ω ±15%</i>	<i>At 1KHz 1.55v</i>
	<i>400Hz ±20%</i>	<i>Without baffle 1.55v</i>
	<i>Should not be audible buzz and rattle</i>	<i>At 1.55v sine wave between 300Hz to 10KHz</i>
	<i>5%MAX</i>	<i>RATED POWER INPUT 1000HZ</i>
	<i>F0 ~ 20KHz</i>	
	<i>Size: φ 9.5x1.5mm</i> <i>Weight: 1.5g</i>	
	<i>5.8g ±10%</i>	

RELIABILITY TEST

(实验要求)

TEST IN HIGH TEMP 耐温试验	After having been in a test chamber for 3 days at the condition of +70 °C, and then left 2hours in a room. Sensitivity Change within 3dB relative to initial value, Fo/Impedance change within 10% relative to initial value.
TEST IN LOW TEMP 耐寒试验	After having been in a test chamber for 3 days at the condition of -40°C±3°Cand then left 2hours in a room. Sensitivity Change within 3dB relative to initial value, Fo/Impedance change within 10% relative to initial value.
STATIC TEST 耐湿试验	After having been in a test chamber for 60hours at the condition of +60°C 90%~95%R. H. and then left 4hours in a room. Sensitivity Change within 3dB relative to initial value, Fo/Impedance change within 10% relative to initial value.
LOAD TEST 连续实验	At 0.3W white noise is applied for 96hours and then should satisfy the test described under item 01and 07.
DROP TEST 落下试验	Dropping to concrete floor from 1.60 m height, in the state of packing, Directions: 1corner, 3 edges, 6 planes. Total 10 times , Sensitivity Change within 3dB relative to initial value, Fo/Impedance change within 10% relative to initial val
OPERATING TEMPERATURE 动作温度	-25°C ~+65°C
STORAGE TEMPERATURE 保存温度	-40°C~+70°C
Temperature Cycle Test (温度循环试验)	-40°C for 0.5h then change to 60°C for 0.5h within 5 minutes, then -40°C, total 85cycles. Sensitivity Change within 3dB relative to initial value, Fo/Impedance change within 10% relative to initial value

DIMENSION AND FREQUENCY RESPONSE

(尺寸和频率响应)

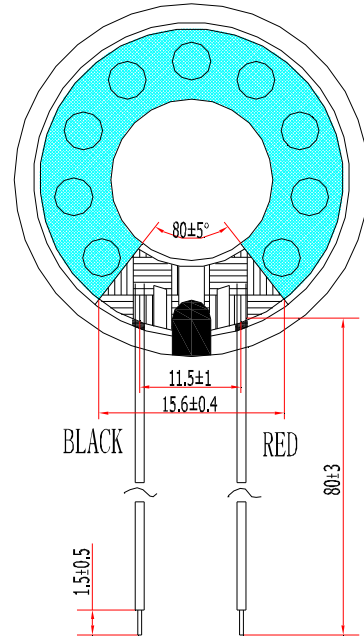
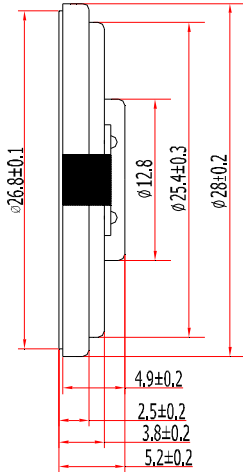
1. DIMENSION:

Unit: mm

单位

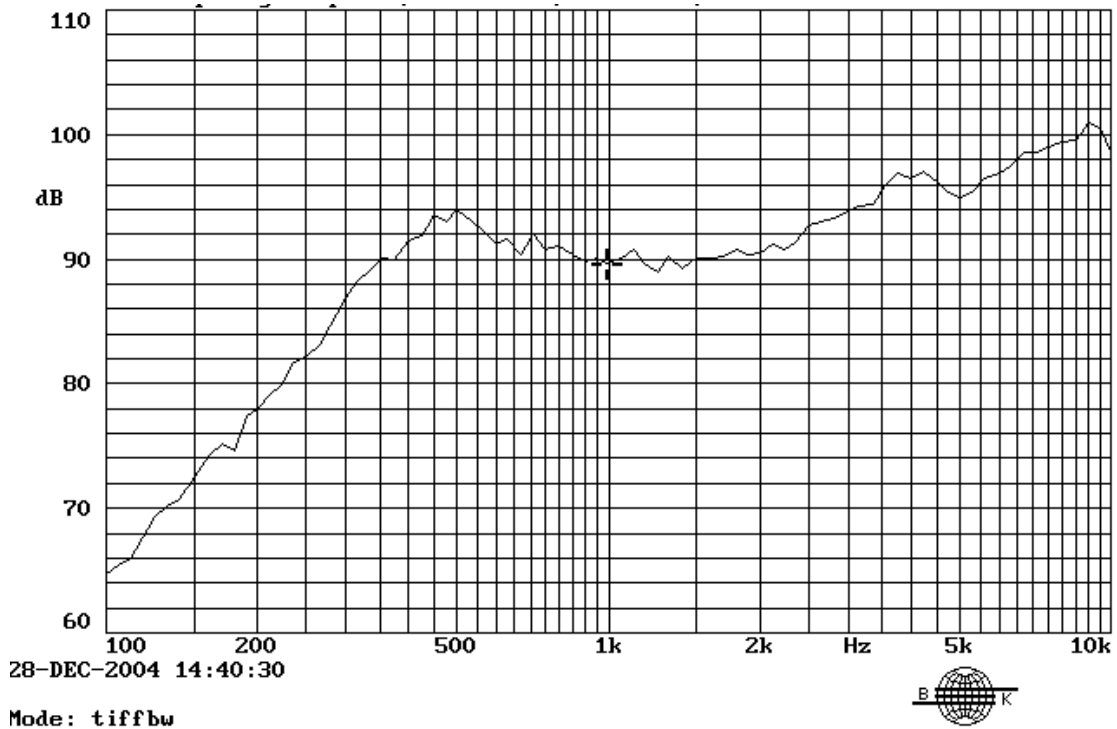
Tolerance : $\pm 0.5\text{mm}$

公差



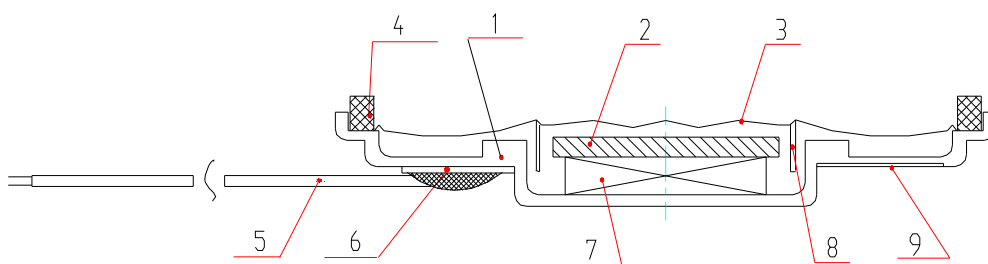
UL1571 30 AWG

2. FREQUENCY RESPONSE:



CONSTRUCT

(结构)



NO 序号	Item Name 项目名称	Summary 概要
1	FRAME (盆架)	SPCC
2	IRON PLATE (铁片)	Fe
3	DIAPHRAM (膜片)	PEN
4	GASKET (垫边)	ABS
5	WIRE (引线)	UL1571 30 AWG
6	TERMINAL (接线板)	BM-Sn
7	MAGNET (磁钢)	ND-Fe-B
8	VOICE COIL (音圈)	LOCK Φ 0.07mm
9	CONDUCTIVE NET(无纺布)	35 μ

TESTING CRITERION DRIVING LOOP

(测试线路驱动回路)

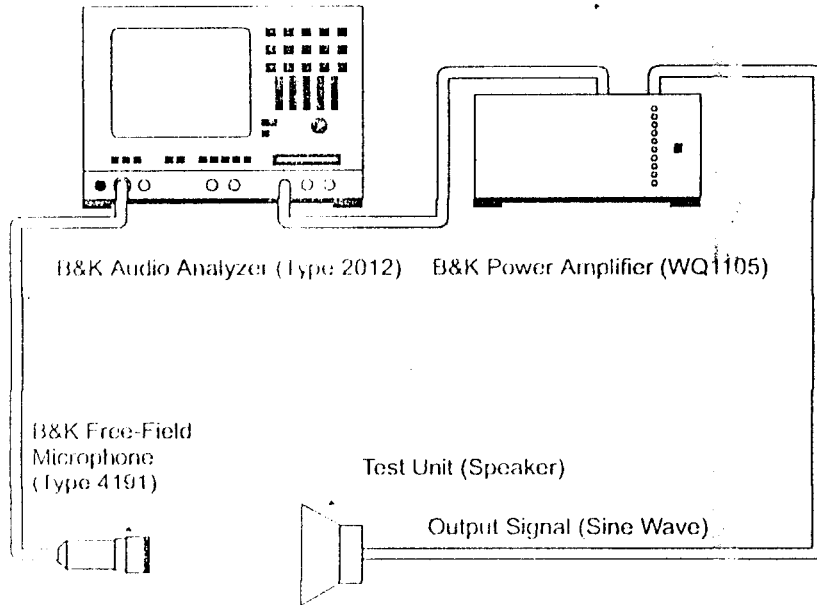


Figure 1.SPL Inspection Test Fixture
声压检测图

Notes: Apply rated signal from B & K audio analyzer (Type 2012) and B & K Amplifier (WQ1105). Measure SPL with microphone 10cm from the unit. Microphone to be in accordance with B & K free field microphone (Type 4191). The microphone should be calibrated on a daily basis using a calibrator recommended by the manufacturer. Measurement should be carried out in a free Field environment.

注: 使用自 B & K2012 自动分析仪及 WQ1105 功放输出的额定信号,测试声压的传声器距扬声器 10cm.传声器为 B & K4191 自由场传声器.传声器须在使用前采用仪器供应商提供的校准仪进行校准.测试须在自由场环境下进行.