



客户型号 CUSTOMER PN		
工厂型号 OUR PN	WES-P4030-02-8N12.5C-RS	
项目 ITEMS	规格 TEST SPECIFICATIONS	测试条件 TEST CONDITIONS
1、单体尺寸 DIMENSIONS	40×28.3×11.7mm	参照外形装配图 PER SPEAKER CONSTRUCTION DWG.
2、主要材料 MAIN MATERIAL	盆架 BASKET	<input type="radio"/> METAL <input checked="" type="radio"/> PLASTIC <input type="radio"/> OTHER:
	磁钢 MAGNET	12.5×2.0mm <input type="radio"/> FERRITE <input checked="" type="radio"/> d-Fe-B <input type="radio"/> Al-Ni-Co <input type="radio"/> OTHER:
	纸盆 CONE	<input type="radio"/> 全纸盆 PAPER <input type="radio"/> MYLAR <input type="radio"/> OTHER
		<input checked="" type="radio"/> 复合盆 COMPOUND
3、总重量 TOTAL WEIGHT	± g	
4、功率 POWER	额定功率 NORMAL POWER : 3.0 W 最大功率 MAX POWER : 5 W	
5、阻抗 NORMAL IMPEDANCE	8 Ω ± 15%                      AT 1.0 KHz / 1.0V	
6、纯音检测 SINA SIGNAL OPERATION	不允许有任何杂音 THERE SHALL NOT BE EXTRANEIOUS NOISE                      4.0V/RMS FROM FO TO 20 KHz	
7、共振频率 RESONANT REQUENCY	F <sub>0</sub> : 450±20% Hz                      AT 1.0 V	
8、特性灵敏度 S.P.L.	84dB ± 3 dB                      AT 1.0 W / 0.5M (0.8;1.0; 1.2; 1.5 KHz AVE )	
9、频响范围 FREQUENCY RANGE	F <sub>0</sub> ~ 10 KHz                      MAX20dB                      AT 1/6Oct 1.0 W / 0.5 M	
10、总品质因素 Qts	-----	
11、失真 THD	MAX: 5 %                      AT1.0K Hz                      AT 1/30Oct 1.0W / 0.5 M	
12、极性 POLARITY	纸盆向正面移动 THE CONE SHALL MOVE UPWARD                      正电流接于“+”上 WHEN APPLIE POSITIVE POTENTIAL TO THE (“+”)	
13、存储与运输 TRANSPORTATION AND STORAGE	GUARANTIED TEMPERATURE RANGE: Tmax= +60℃, Tmin= -25℃	
NOTE: Above measuring condition under temperature: 15~35℃,R.H. 25 ~75%.		
ENDURANCE AND MECHANICAL TEST		
14、连续负荷测试 LOAD TEST	WHITE NOISE 3.0W APPLIED FOR 96 H	
15、高温测试 HIGH TEMPERATURE	+ 60 ± 3 °C                      HUMIDITY RANDOM FOR 96 HOURS.	
16、低温测试 LOW TEMPERATURE	- 25 ± 3 °C                      HUMIDITY RANDOM FOR 96 HOURS.	
17、潮湿测试 HUMIDITY	+ 40 ± 3 °C                      RELATIVE HUMIDITY (RH) 90 ~ 95 % FOR 96 HOURS.	
NOTE: After test, leave speakers at room temperature for 1 hour, and speakers meet above item 5,6,7,8.		
18、跌落测试 DROP TEST	SPEAKERS PROPERLY PACKAGED IN THEIR SHIPPING CARTON ARE DROPPED ON EACH SIDE OF THE CARTON EXCEPT THE TOP FROM A HEIGHT OF 80CM (CARTON GW≤10kG) OR 60CM (10kG<CARTON GW≤25kG)	
NOTE: After test, there shall be no buzz/rattle and the speakers shall not exhibit any physical damage.		

19、环境有害物质控制 ENVIROMENT HARMFUL MATERIAL CONTROL	RoHS COMPLIANT
---	----------------

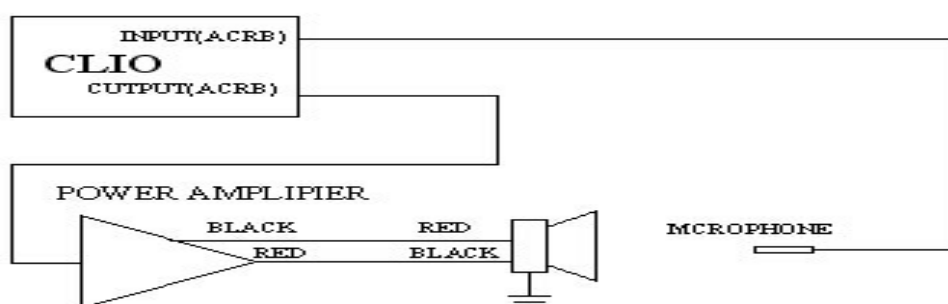
## Test method and User precaution

### 1. Characteristics measurement environment condition

1.1 Except other specified, measuring are under temperature 15~35°C, R.H. 25 ~75%, air pressure 86~106kPa.

1.2 Judgement condition temperature 20 ±2°C, R.H. 63~67%, air pressure 86~106kPa.

### 2. Output Sound Pressure Level (S.P.L.) and distortion testing setup



Speaker to mounted on a standard IEC 268-5 baffle in an anechoic chamber

### 2. Endurance & Mechanical test:

#### 3.1 Load test:

Speaker should not fail after applying FO ~ 20K Hz white noise rated power input (RMS) for 96 hours, then leave the speaker at room temperature for 1 hour, speaker shall meet item 5,6,7,8.

#### 3.2 High Temperature:

After exposure the speaker in the high temperature chamber on condition described as item 15 for 96 hours, then leave the speaker at room temperature for 1 hour, the speaker shall meet item 5,6,7,8.

#### 3.3 Low Temperature:

After exposure the speaker in the low temperature chamber on condition described as item 16 for 96 hours, then leave the speaker at room temperature for 1 hour, the speaker shall meet item 5,6,7,8.

#### 3.4 Humidity:

After exposure the speaker in the chamber on condition described as item 17, for 96

hours, then leave the speaker at room temperature for 1 hours, the speaker shall meet item 5,6,7,8.

### 3.5 Drop test:

Speakers properly packaged in their shipping carton are dropped on each side of the carton except the top from a height of 80cm (carton  $GW \leq 10kg$ ) or 60cm ( $10kg < \text{carton } GW \leq 25kg$ ), after test, there shall be no buzz/rattle and the speakers shall not exhibit any physical damage.

## TYPICAL FREQUENCY RESPONSE CURVES

