

ROHS

APPROVAL SHEET
FOR
PIEZOELECTRIC CERAMICS TRANSDUCER

納入仕様書

CUSTOMER: _____

SUNWAY P/N: _____ WH25W88-17A

CUSTOMER P/N: _____

CUSTOMER	APPROVER	CHECKER

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SPECIFICATIONS FOR PIEZOELECTRIC CERAMICS TRANSDUCER

1. 技术参数 (Technical parameters)

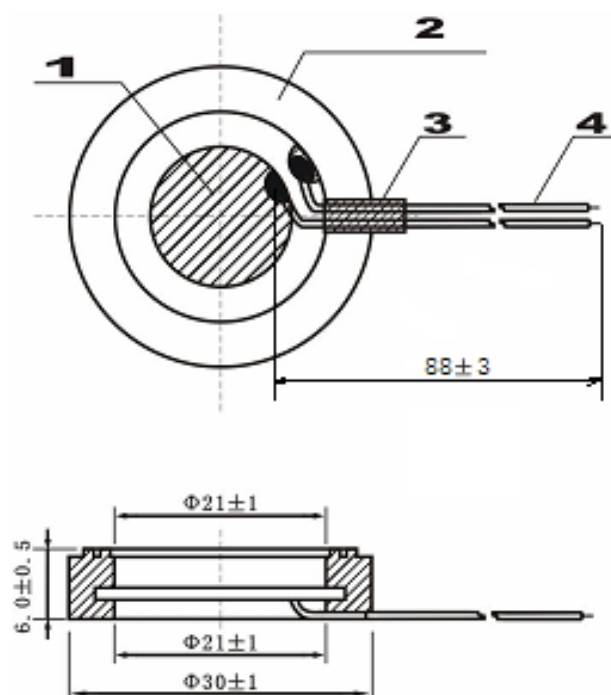
序号 No.	项目 Item	单位 Unit	标准 Standard	测试条件 Test condition
2-1	谐振频率 Fr (Thick resonant frequency)	KHz	1700±50	HP5100 or ADVAN R3754 network analyzer
2-2	谐振阻抗 Zr (Resonant impedance)	Ω	Max: 2	HP5100 or ADVAN R3754 network analyzer
2-3	机电耦合系数 Kt (Electrical-mechanical coupling coefficient)	/	Min:48%	HP5100 (Fs3/Fs1)
2-4	电容 (Capacitance)	PF	1850±200	YD2166A Capacitor sorter; 1KHz
2-5	驱动功率 (Driving power)	W	23	/
2-6	水质 (Water quality)	/	Drinking water	/
2-7	水温 (Water temperature)	℃	20-50	/
2-8	水位 (Water level)	mm	35-45	/
2-9	雾化量 (Mist amount)	ml/h	Min: 400	/
2-10	电极材料 (Electrode material)	/	Ag	/
2-11	电极保护体 (Electrode protective material)	/	Vitreous glaze	/
2-12	配件 (Mountings)	/	A	/
2-13	寿命 (Life time)	h	5000	

				Date	2017-02-16	
				Des.	L.Liu	
				Chk.	J.Yang	
				Apr.	J.G.Rui	
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2. 外形尺寸 (Appearance and dimensions) 计量单位 (Unit: mm)



WH25W88-17A

标号 (Serial Number)	数量 (Quantity)	描述 (Describe)
1	1	Piezoelectric ceramic vibrator
2	1	Rubber ring
3	1	Varnished tube
4	1	UL1430 24AWG Black & Red wire

3. 包装 (Package)

包装单元 (Package unit)	外尺寸 L×W×H (cm) (Size)	材质 (Material quality.)	PCS/Per package unit
Plastic bag	12.2×15.5	Transparent polyethylene	10
Inner carton	33.0×26.0×12.0	single layer corrugated paper	500
Outer carton	34.0×27.5×40.0	Double corrugated paper	1500

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4. Mechanical and Environment Characteristics.

	ITEM	TEST CONDITION AND REQUIREMENT
4.1	High Temperature Test (Storage)	After being placed in a chamber with 55±2°C for 4 hours and then being placed in natural condition for 2 hours. Allowable variation of SPL after test: ±10dB.
4.2	Low Temperature Test (Storage)	After being Placed in a chamber with -30±2°C for 4 hours and then being placed in natural condition for 2 hours. Allowable variation of SPL after test: ±10dB.
4.3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2°C for 24 hours and then being placed in natural condition for 4 hours. Allowable variation of SPL after test: ±10dB.
4.4	Temperature Cycle Test	After being placed in a chamber at -30 ±2°C for 30 minutes, products shall be placed at room temperature(+20°C). After 15 minutes at this temperature, products shall be placed in a chamber at +55±2°C. After 30 minutes at this temperature, products shall be return to room temperature (+20°C) for 15 minutes. After 5 above cycles, products shall be measured after being placed in natural condition for 4 hours. Allowable variation of SPL after test: ±10dB.
4.5	Drop Test	Drop on a hard wood board of 5cm thick, any directions ,6 times, at the height of 80cm . Allowable variation of SPL after test: ±10dB.
4.6	Vibration Test	After being applied vibration of amplitude of 1.5mmwith 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: ±10dB.
4.7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +260±5°C for 60±1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
4.8	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +230±5°C for 3±0.5 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).

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Specification for Piezo Buzzer

5. NOTES:

- 1.The piezo shall be fastness and smooth .
- 2.The piezo shall be cleaned regularly,make sure there's less scale on it.
- 3.Make sure that no potential difference is existed in the water solution when design the circuit and thus redult in the electrode of the piezo become electrolytic.
- 4.Vp-p of both ends of the piezo shall less than or equal to 110v
- 5.In any case,plese do not reweld the solder joint of the piezo personally,so as to avoid damage to the product.
- 6.The piezo is fragile,may be damaged by strong vibration or impact,So plese install carefully.
- 7.When using the piezo,plese make sure to have anti-dry protection,so as to avoid product performance recession.
8. The appropriate working temperature for the piezo is 10-50°C,it is recommended to work above 25°C.

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Issue	Note	Date	Name	WH25W88-17A		050301.01 Page: 3/6

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