2019年10月21日

APPROVAL SHEET

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FHD ELECTRONICS CORPORATION

CUSTOME	R NAME :		
COMMOD	ITY :	Piezo Transduc	cer
FHD PART	NO. :	T12862-P40000	9-P
CUSTOME	R PART NO. :		
A 1.1	X 7. X	D 11	1137.01
Approved by	Y. J.	Prepared by	HY Shen

Customer Approval			
Approved	Rejected		

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REVISIONS

PRODUCT PART NO.: T12862-P4000G-P

DATE	REVISER	REV.	DESCRIPTION	REMARK
2019/10/21	HY SHEN	1	Initial edition	

FHD Electronics

1. Technical Parameter

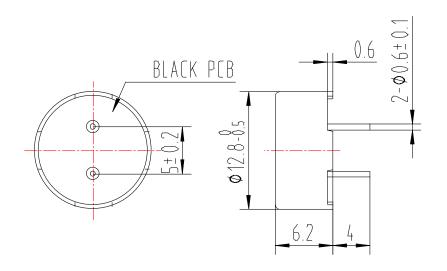


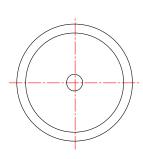
Measuring condition

Part shall be measured under a condition (Temperature: $5\sim35^{\circ}$ C, Humidity: $45\%\sim85\%$ R.H., Atmospheric pressure: $860\sim1060$ hPa) unless the standard condition (Temperature: $25\pm3^{\circ}$ C, Humidity: $60\pm10\%$ R.H. Atmospheric pressure: $860\sim1060$ hPa) is regulated to measure.

шпоор	none procedure: ode Todom a) is regu	nated to measure.
1	Resonant Frequency	4000±500Hz
2	Operating Voltage	1~25Vp-p
3	Rated Current	Max.5mA , at 4KHz 50% duty Square Wave 5Vp-p
4	Sound Output at 10cm	Min. 80dB, at 4KHz 50% duty Square Wave 5Vp-p
5	Capacitance	11000±30%pF at 120Hz
6	Operating Temperature	-20℃~+70℃
7	Store Temperature	-30℃~+80℃
8	Net Weight	Approx 0.6g
9	RoHS	Yes

2. Dimensions



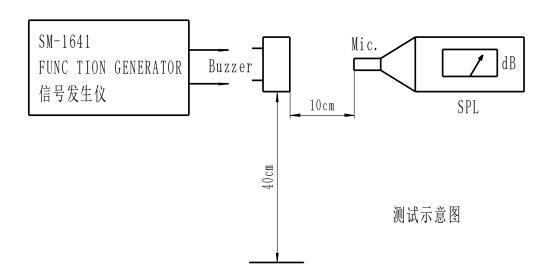


*Unit: mm; Tolerance: ±0.5mm Except Specified

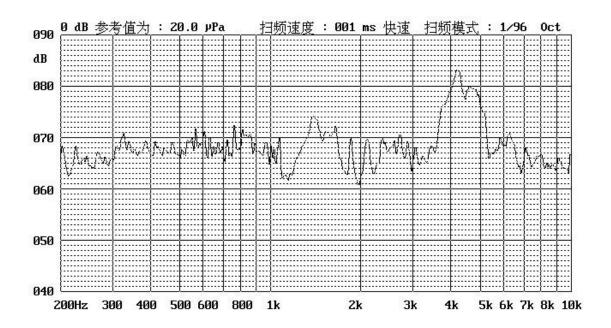
*Housing Material: Black PPO

3. Electrical And Acoustical Measuring Condition

Recommended Setting



4. Frequency Response



5Vp-p 50% duty Square wave,10cm

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5. Reliability Test

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -5 dB from the initial value

5.1. Ordinary Temperature Life Test

The part shall be subjected to 96 hours at $25\pm10^{\circ}$ C. Input rated voltage Resonant frequency, 1/2 duty Square wave.

5.2. High Temperature Test

The part shall be capable of withstanding a storage temperature of $+80^{\circ}$ C for 96 hours.

5.3. Low Temperature Test

The part shall be capable of withstanding a storage temperature of -30℃ for 96 hours.

5.4. Humidity Test

Temperature:+ 40° C± 3° C Relative Humidity:90% \sim 95% Duration: 48 hours and expose to room temperature for 6 hours

5.5. Temperature Shock Test

Temperature:70°C /1hour \rightarrow 25°C/3hours \rightarrow -20°C/1hour \rightarrow 25°C/3hours (1cycle) Total cycle: 10 cycles

5.6. Drop Test

Standard Packaging From 75cm(Drop on hard wood or board of 5cm thick, three sides, six plain.)

5.7. Vibration Test

Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

5.8 Recommended wave soldering temperature: 300±20℃ Soldering Time:Max.2s

5.9 Recommended hand soldering temperature: 320±20℃ Soldering Time:Max.2s

Note:

As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign materials enter it.

		T12862-P4000G-P
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6.	Packing Information	
		FHD Electronics