



PRODUCT SPECIFICATION

Product Name: Piezo Buzzer

Part Number: MSPT22C30P12.5V30

Document No: _____

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DRAWING BY	CHECKED BY	APPROVED BY
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1.SPECIFICATION

1	Resonance Frequency (KHz)	2.7
2	Max Input Voltage (Vp-p)	30
3	Capacitance at 120Hz (nF)	30±30%
4	Sound Output at 10cm (dB)	≥85 at 2.7KHz Square Wave 5Vp-p
5	Current Consumption (mA)	≤5 at 2.7KHz Square Wave 5Vp-p
6	Operating Temperature (°C)	-20~+70
7	Storage Temperature (°C)	-30~+80
8	Weight (g)	2.7
9	Housing Material	Black PC/PBT

*Applying rated voltage

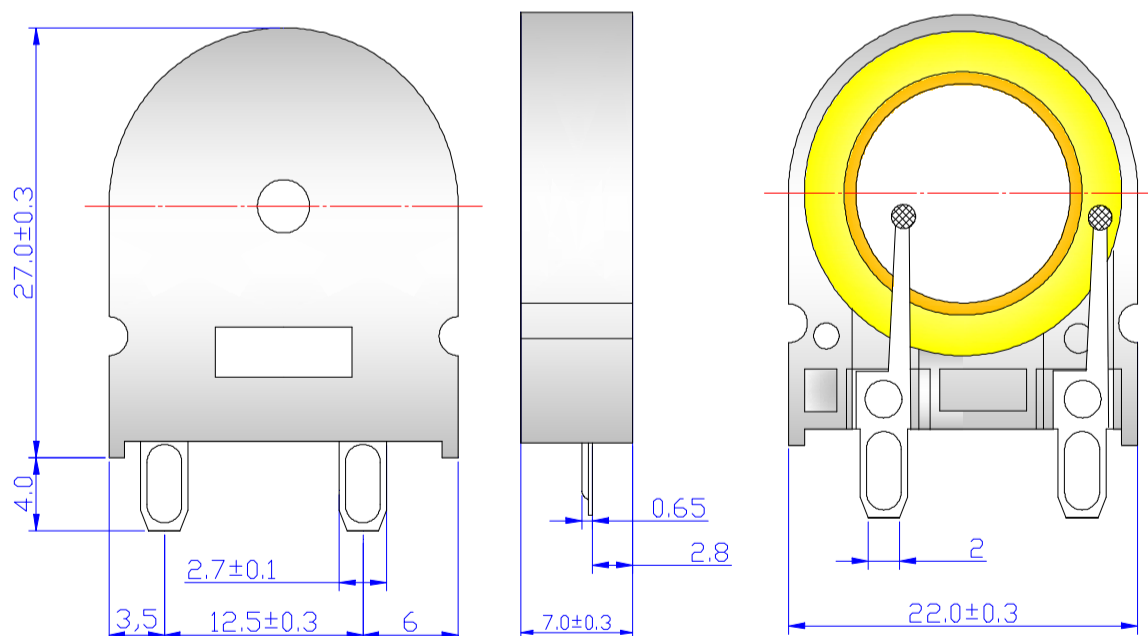
Buzzer Soldering process	Soldering Parameter		
	Temp.(°C)	Time(Sec.)	Times
Reflow soldering	245±15	above 180°C time 40~70	3
Wave soldering	255±5	4~6	2~3
Manual soldering	350±10	2~5	2~3

2.DIMENSIONS(UNIT:

mm)Tolerance:

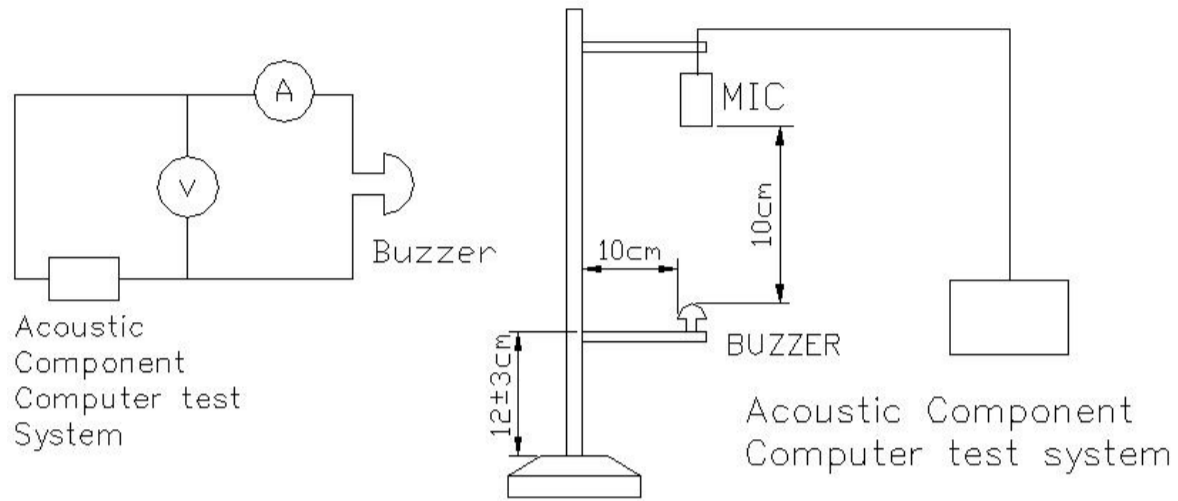
±0.5mm

Except

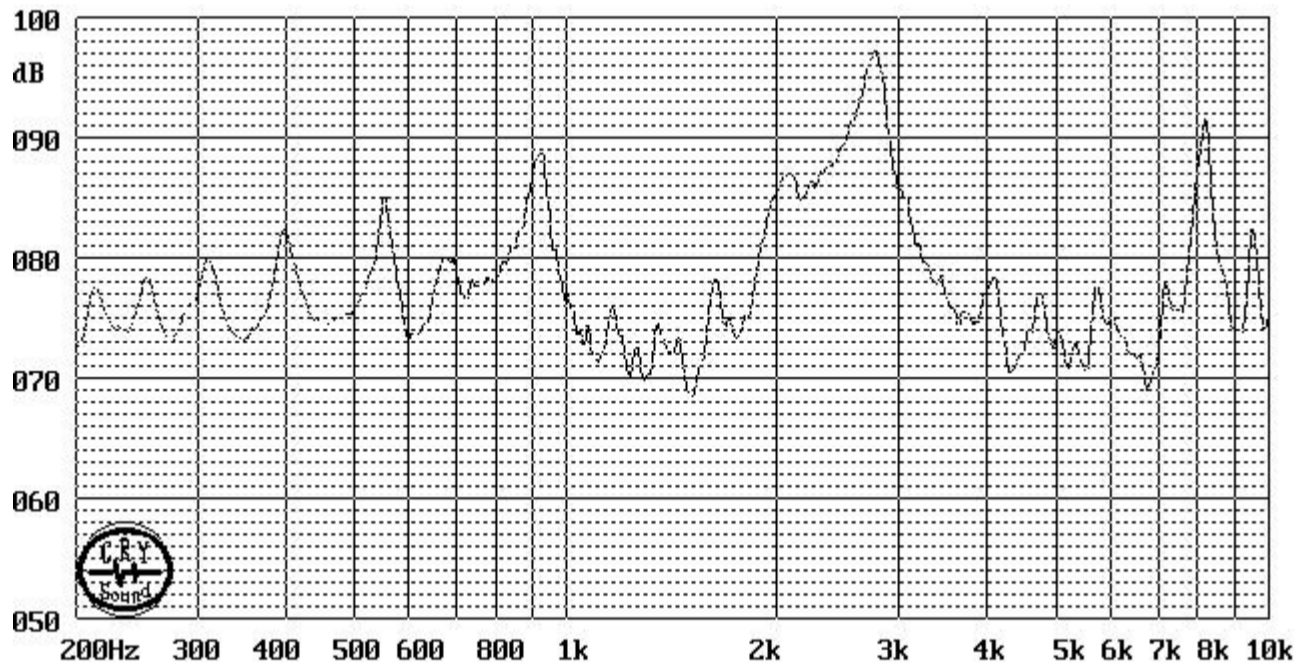


Specified

3. TEST METHOD



4. FREQUENCY RESPONSE



5. RELIABLY TEST

NO	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	50±5°C, 93(+2/-3)%RH, 96HRS	All specifications must be satisfied after the test.
2	High temp.	+80±2°C, 96HRS	



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3	Low temp.	-30±2°C, 96HRS	
4	Temperature Cycling	-30±2°C, 30minutes room temp. 15 minutes +80±2°C, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then from 55 to 10Hz) under single amplitude of 1.0mm is 1 minute.	
7	Solder heat resistance	The part leads (pins) shall be immersed in molten solder maintained at 250±10°C for a period of 30 seconds.	After the test part shall meet specifications without any degradation in appearance and performance.