

PRODUCT SPECIFICATION

Product Name:		Piezo Buzzer	
Part	Number:	MSPS23A	
Document No:			
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DRAWING BY	CHECKED BY	APPROVED BY
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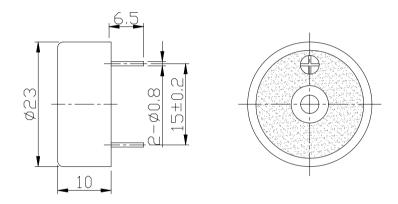


1.SPECIFICATION

TYPE	MSPS23A35P12
Sound pressure Level	90dB Min/10cm
Rated Voltage VDC	12V
Resonant Frequency	3.5±0.5kHz
Current at rated Voltage	15.0mA Max.
◆Operating Voltage	3-20 Vdc
Operation Temperature	-20°C - +70°C
Storage Temperature	-30°C - +80°C
Tone Nature	Single
Weight	4
House material	MPPO

♦ VALUE APPLYING RATED VOLTAGE (3200Hz 1/2 DUTY SQUARE WAVE) ∆VALUE APPLYING (3200Hz SINE WAVE MEASURING CURRENT 60 µ A)

2.APPEARANCE DRAWING



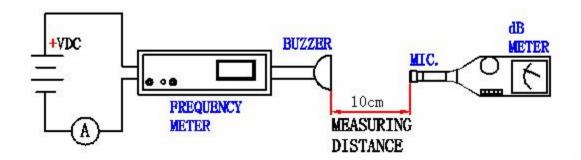
(UNIT:MM) Tolerance: ±0.2mm

3.TESTING METHOD

Standard Measurement conditions

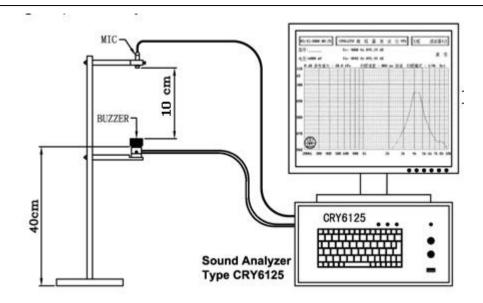
Acoustic Characteristics:

The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below

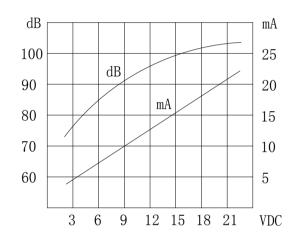


In the measuring test, buzzer is placed as follows:





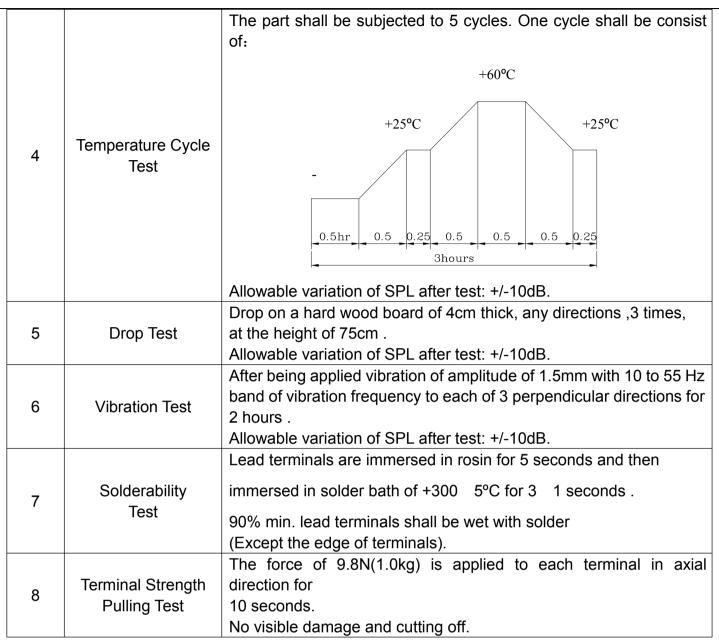
4.FREQUENCY CURVE



5.RELIABILITY TEST

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 70 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 2°C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: +/-10dB.





TEST CONDITION.

Standard Test Condition : a) Temperature : $+5 \sim +35 \,^{\circ}\mathbb{C}$ b) Humidity : 45-85% c) Pressure : 860-1060mbar

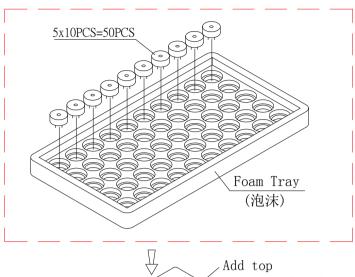
一般测试条件 : a) 温度:+5~+35℃ b) 湿度:45-85% c) 气压:860-1060mbar

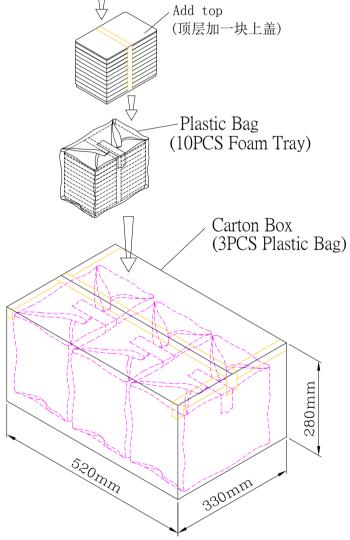
Judgment Test Condition : a) Temperature : +25 ± 2℃ b) Humidity : 60-70% c) Pressure : 860-1060mbar

争议时测试条件 : a) 温度:+25±2℃ b) 湿度:60-70% c) 气压:860-1060mbar

6. PACKING STANDARD







Foam Tray	315mmx170mmx28mm	1x50PCS=50PCS
Plastic Bag		10x50PCS=500PCS
Carton Box	520mmx330mmx280mm	3x500PCS=1500PCS