

DESCRIPTION: Magnetic Buzzer
MODEL: MSES12A24P7.6V1.5BETS

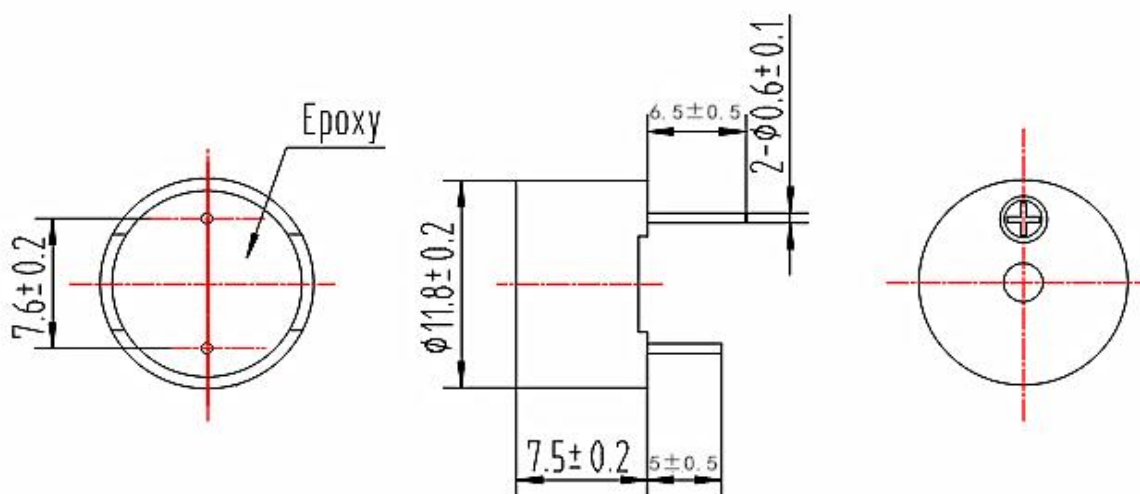
PICTURE:



SPECIFICATIONS

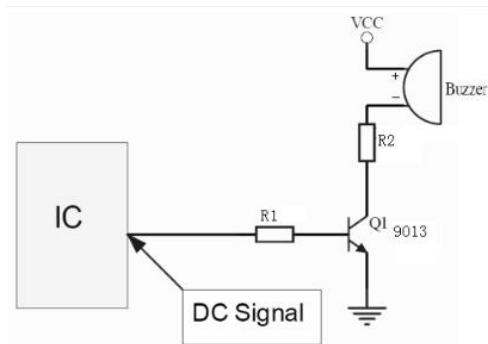
Item	Value
Rated voltage	1.5VDC
Operation voltage	1.2~3VDC
Sound Pressure Level=SPL	Min80dB/0.1m
current	Max40mA
Oscillation frequency	2400±100Hz
Operating Temperature	40 ~ +70℃
Storage temperature	-40 ~ +85℃
Externals size (mm)	φ12*H7.5
Mass	1.8g
Housing Material	PBT

MECHANICAL DRAWING (units:±0.3mm Except Specified)

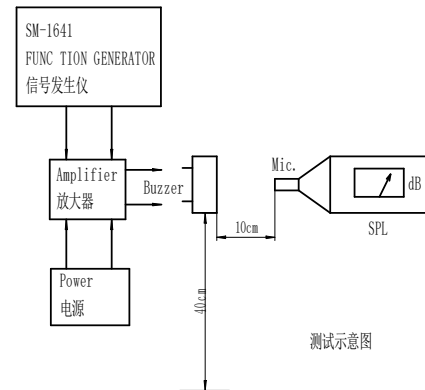


ELECTRICAL And ACOUSTICAL MEASURING CONDITION

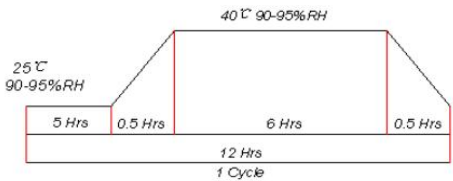
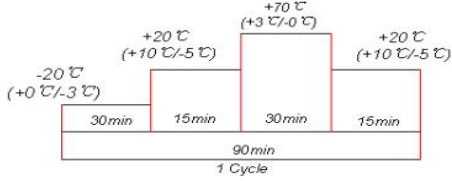
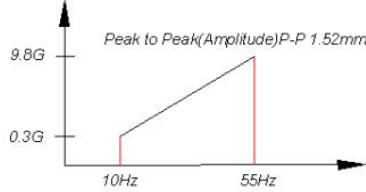
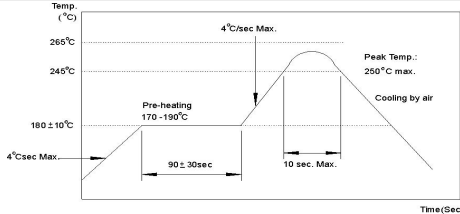
Recommended Driving Circuit



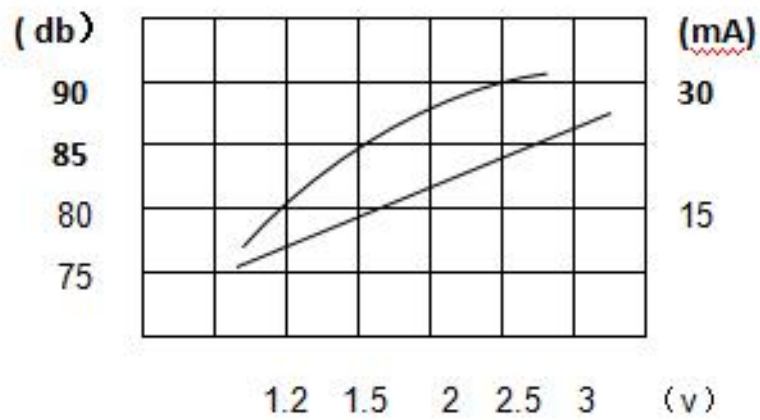
Recommended Setting



RELIABILITY TEST

No.	ITEM	TEST
1	High Temperature Test	After being placed in a chamber with $+80\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours
2	Low Temperature Test	After being placed in a chamber with $-20\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours
3	Humidity Test	 The diagram shows a humidity test profile. It starts at 25°C 90-95%RH for 5 Hrs, then ramps up to 40°C 90-95%RH in 0.5 Hrs. It remains at 40°C 90-95%RH for 6 Hrs, then ramps down to 25°C 90-95%RH in 0.5 Hrs. The total cycle time is 12 Hrs.
4	Temperature Cycle Test	 The diagram shows a temperature cycle test profile. It starts at -20°C (+0°C/-3°C) for 30min, then ramps up to +20°C (+10°C/-5°C) in 15min. It remains at +20°C for 30min, then ramps down to +70°C (+3°C/-0°C) in 15min. It remains at +70°C for 30min, then ramps down to +20°C (+10°C/-5°C) in 15min. The total cycle time is 90min.
5	Vibration Test	 The diagram shows a vibration test profile. The amplitude is 9.8G at 10Hz and 0.3G at 55Hz. The peak-to-peak amplitude (P-P) is 1.52mm. The profile is a sine wave.
6	Drop Test	Drop on a hard wood board of 40mm thick, any directions, three times, at the height of 70cm
7	Terminal Strength Pulling Test	The force 5 seconds of 1.0kg is applied to each terminal.
8	Solder ability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $255\pm 5^{\circ}\text{C}$ for 3 ± 0.5 seconds.
9	Soldering Test	 The diagram shows a soldering test profile. It starts at 180±10°C, then ramps up to 245°C at 4°C/sec Max. It remains at 245°C for 90±30sec. It then ramps up to 265°C at 4°C/sec Max. It remains at 265°C for 10 sec. Max. It then ramps down to 180±10°C at 4°C/sec Max. The peak temperature is 250°C max. The cooling is by air.

FREQUENCY CURVE



PACKING

